State Route 408 (Mount Morris Nunda Road) | Mount Morris

View Location Information:

Location: State Route 408 (Mount Morris Nunda Road.)
Town: Mount Morris
County: Livingston
Direction of View: Southwest
Camera Elevation: 1,204 feet
Position: 42.66062000° N, 77.91834800° W
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/ Commuters
Sensitive Site: State Route 408
Distance To Nearest Facility Component: 202 feet
Distance Zone: Near-Foreground

Photograph Information:

Date: 01/23/2020
Time: 12:25 PM
Camera Make/Model: DJI Osmo
Focal Length: 22mm
Focal Length (35 mm equivlent):
Field of View: 71.9°

Facility Information:

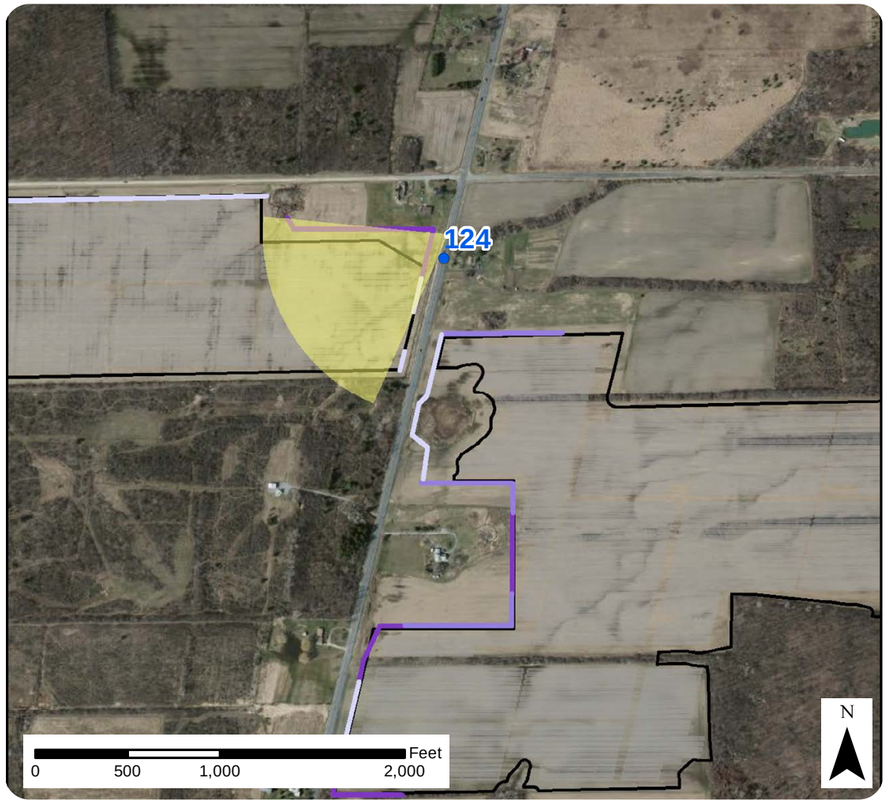
Racking Type: Fixed Tilt
Max Panel Height From Ground: 12 feet
Facility Site: 3,331 acres
Facilty: 1,060 acres

Mitigation Concept Module:
Module 3 - Adjacent VSR / Residence

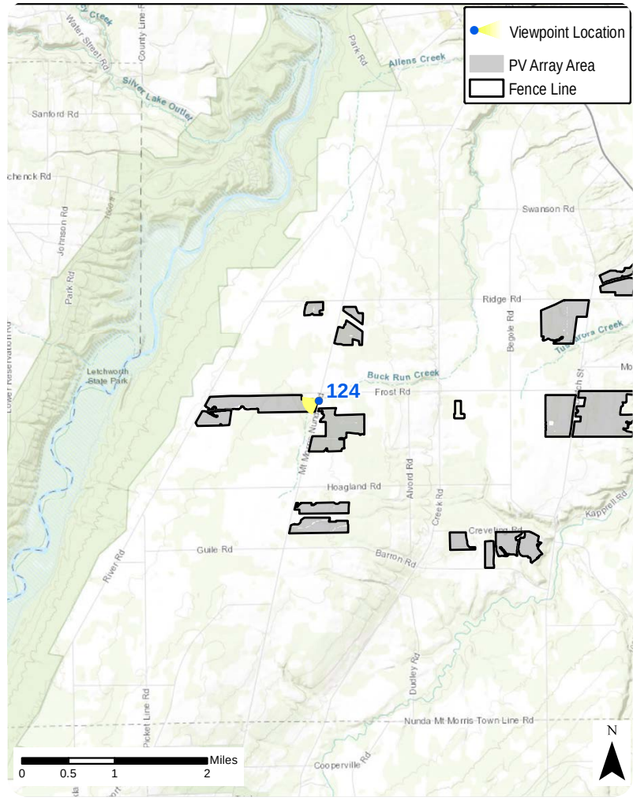
Viewpoint Location Legend:

- Viewpoint Location
- Module 1
- Module 2
- Module 3
- Module 4
- PV Array Area
- Fence Line

Viewpoint Location



Viewpoint Context



Context Photo: View to the North

Context Photo: View to the Southwest

Simulation Photo: View to the West

Context Photo: View to the Northwest

State Route 408 (Mount Morris Nunda Road) | Mount Morris

Existing View

This viewpoint is located on State Route 408, approximately 0.7 mile from the previous viewpoint (123) and 0.5 mile from viewpoint 122. This is the final simulation in the video series and represents the perspective of a southbound traveler approximately 200 feet from the nearest solar array. Again in this view to the southwest, a snow-covered open field proceeds away from the road edge to a row of trees that line the far edge of the field. Where these trees are lacking, background views of a gentle ridge characterized by a mix of fields and woodlots is available in the distance. The existing view lacks any distinctive focal points, and other than an overhead utility line in the immediate foreground, man-made features are lacking. The level topography, and lack of vegetative variability is off-set to some extent by availability of the long-distance background view, resulting in moderate to low scenic quality.

Proposed View

With the proposed Facility in place, a large portion of the open field is now populated with solar panels. From this viewpoint, two sides of the panel array are visible; one running along the road edge, and the other running down the center of the field. Because the backside of the panels are featured in this view, they appear dark. This presents contrast with the snow-covered field, but blends well with the row of trees that lines the far side of the field. The overall effect is a shortening of the field, with many of the same characteristics and visible elements of the existing view still present. However, the panels and perimeter fence add man-made elements to the view that were formerly lacking.

View with Mitigation

Installation of perimeter plantings with a significant conifer component (conceptual planting module three) more clearly defines the edges of the panel array, and in some ways accentuates its presence. These plantings help soften the fence line, but do little to screen the panels. However, after 5 to 7 years, the conifer-rich perimeter plantings fully screen the facility, blocking all views of the panels and fence. While the plantings eliminate any new man-made features from the view, they also substantially increase the sense of enclosure and block views of more distant landscape features.

Viewpoint Sensitivity[1]:

Scenic Quality:

- ☒ Low
- ☒ Moderate
- ☐ High

Viewer Exposure:

- ☐ Continuous
- ☒ Repeated/Regular
- ☒ Occasional/Brief
- ☒ Rare

Viewer Description Common Vocabulary[2]:

- Very Large Expanse of Agricultural Land
- Dense Wooded Backdrop
- Limited development present in view
- Utility Lines Cutting Across the Upper Foreground

[1] Viewpoint Sensitivity information is gathered from rating panel results. Scenic Quality is an average based on Low = 1, Moderate = 2, High = 3. Viewer Exposure reflects all those selected be the review panel.

[2] Common vocabulary is gathered from rating panel results sheets.

Viewpoint Selection:

- ☒ Open views of proposed project or representative views of screening effects from vegetation, topography, or structures.
- ☒ Specific VSR with visibility.
- ☒ Typical view from an identified LSZ.
- ☐ Typical view of proposed project available to representative viewer/user group.
- ☐ Typical views of different numbers of PV Panels, from a variety of viewer distances, and under different lighting/sky conditions, to illustrate the range of visual change occuring with the project in place.
- ☒ Identified through visual outreach process

Contrast Rating Scores[3]:

Component	Score		Contrast Rating 5-7 Years
	3-6 Month	5-7 Years	
Landform	1.0	0.3	Insignificant/Minimal
Vegetation	1.7	1.8	Moderate
Land Use	2.2	1.0	Minimal
Water	NA	NA	NA
Sky	0.0	0.2	Insignificant
Viewer Activity	2.2	0.8	Minimal
AVERAGE	1.4	0.8	Minimal

[3] Contrast Rating Scale: 0.0 - 0.2 (Insignificant), 0.3 – 0.7 (Insignificant/ Minimal), 0.8 – 1.2 (Minimal), 1.3 – 1.7 (Minimal/Moderate), 1.8 - 2.2 (Moderate), 2.3 – 2.7 (Moderate/Appreciable), 2.8 – 3.2 (Appreciable) 3.3 – 3.7 Appreciable/Strong), 3.8 – 4.0 (Strong). Score is average of scores from three rating panel members

Contrast Rating - Lowest and Highest Scores:

3-6 Month		
Component	Score	
	Low	High
Landform	0	2
Vegetation	1	2
Land Use	0	4
Water	NA	NA
Sky	0	0
Viewer Activity	0	4

5-7 Years		
Component	Score	
	Low	High
Landform	0	1
Vegetation	0.5	4
Land Use	0	2
Water	NA	NA
Sky	0	0.5
Viewer Activity	0	2

Existing Conditions

Proposed View

View with Mitigation (5-7 years, Leaf-on)

Existing Conditions

MORRIS RIDGE
solar project

Morris Ridge Solar Energy Center
Town of Mount Morris, Livingston County, New York
Visual Impact Assessment | Appendix D: Existing Conditions - Viewpoint 124

Visual Simulation

MORRIS RIDGE
solar project

Morris Ridge Solar Energy Center
Town of Mount Morris, Livingston County, New York
Visual Impact Assessment | Appendix D: Visual Simulation - Viewpoint 124

Viewshed Simulation: Mitigation 3-6 months (Leaf-off)

MORRIS RIDGE solar project

Morris Ridge Solar Energy Center
Town of Mount Morris, Livingston County, New York
Visual Impact Assessment | Appendix D: Visual Simulation - Viewpoint 124
Sheet 101 of 108

Visual Simulation: Mitigation Year 5-7 (Leaf-off)

MORRIS RIDGE solar project

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Town of Mount Morris, Livingston County, New York
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Sheet 102 of 108

Visual Simulation: Mitigation Year 1 (Leaf on)

MORRIS RIDGE solar project

Morris Ridge Solar Energy Center
Town of Mount Morris, Livingston County, New York
Visual Impact Assessment | Appendix D: Visual Simulation - Viewpoint 124

Visual Simulation: Mitigation Year 5-7 (Leaf-on)

MORRIS RIDGE solar project

Morris Ridge Solar Energy Center
Town of Mount Morris, Livingston County, New York
Visual Impact Assessment | Appendix D: Visual Simulation - Viewpoint 124

State Route 39 (Ireland) | Perry

View Location Information:

Location: Ireland Road

Town: Perry

County: Wyoming

Direction of View: Southeast

Camera Elevation: 1176 feet

Position: 42.733996°, -77.976425°

Landscape Similarity Zone: Rural Upland

Viewer Type: Local Resident

Sensitive Site: NA

Distance To Nearest Facility Component: 4.9 miles

Distance Zone: Background

Photograph Information:

Date: 06/07/2019

Time: 12:54 PM

Camera Make/Model: NIKON D7100

Focal Length: 35 mm

Focal Length (35 mm equivlent): 52 mm

Field of View: 36.5°

Facility Information:

Racking Type: Fixed Tilt

Max Panel Height From Ground: 12 feet

Facility Site: 3,331 acres

Facilty: 1,060 acres

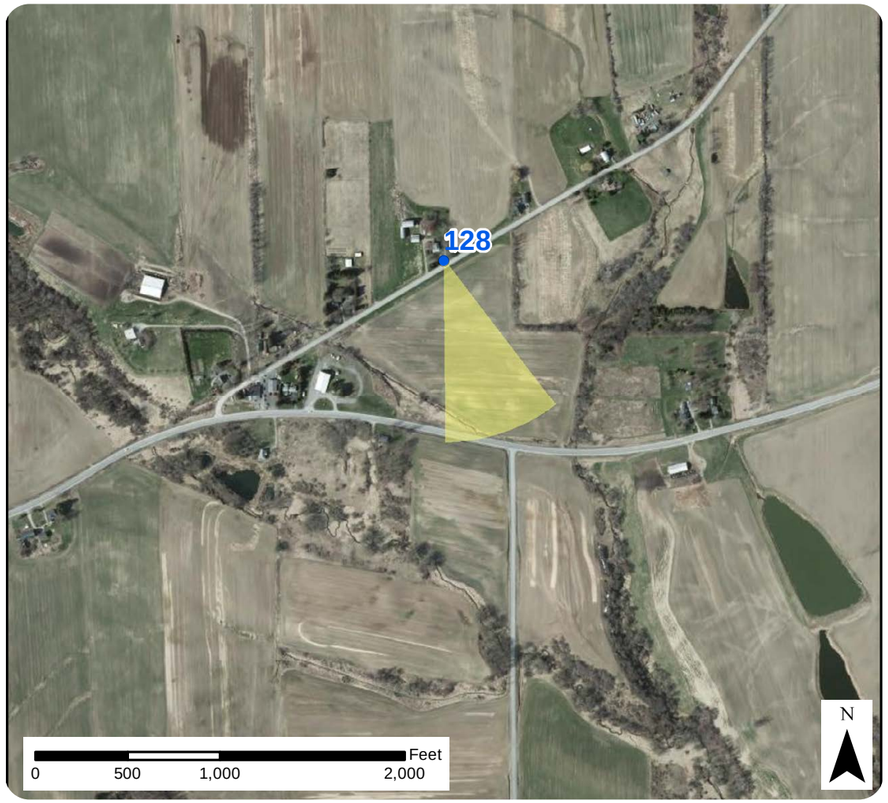
Mitigation Concept Module:

No mitigation is proposed at this location

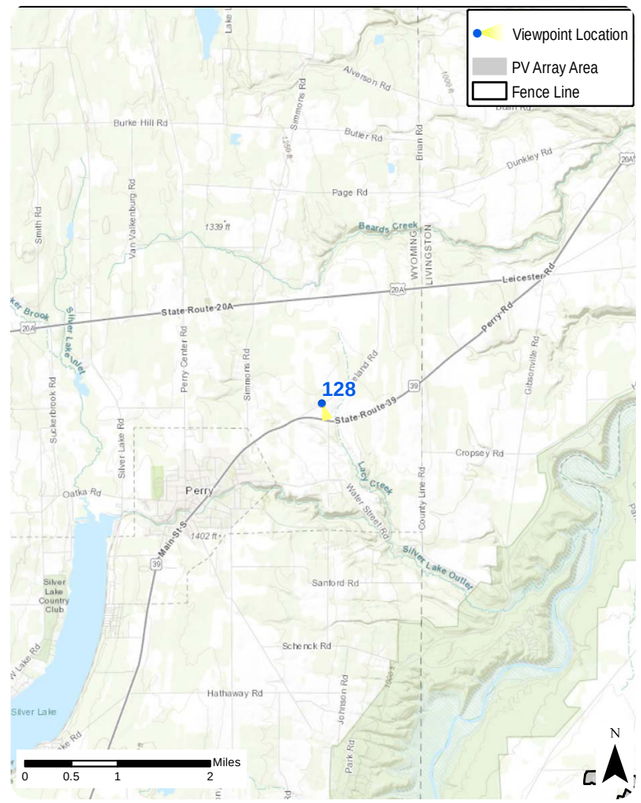
Viewpoint Location Legend:

- Viewpoint Location
- Module 1
- Module 2
- Module 3
- Module 4
- PV Array Area
- Fence Line

Viewpoint Location



Viewpoint Context



Context Photo: View to the East

Context Photo: View to the East-Southeast

Simulation Photo: View to the Southeast

Context Photo: View to the South

State Route 39 (Ireland Road) | Perry

Existing View

Viewpoint 128 is located on Ireland Road in the Town of Perry, approximately 4.9 miles from the nearest proposed Facility component. The view to the southeast from this location features a series of undulating harvested cornfields descending a gentle slope from the foreground into the middle ground. The fields are interspersed with hedgerows and woodlots, and portions of a road can be seen angling across the ups and downs of the middle ground landscape. The middle ground terminates at a dense line of trees, beyond which the land descends out of sight into a broad valley. On the far side of the valley, rolling hills rise into view in the background and extend to a distant irregular horizon line. Other than the road and some overhead utility poles, the existing view from this location generally lacks developed features and has a strong rural agricultural character. The mix of fields and forest, the undulating topography, and the variety of distance zones visible, result in high scenic quality at this viewpoint.

Proposed View

With the proposed Facility in place, distant PV arrays can barely be seen in what were formerly open fields on the background hills. The arrays are located in the center of the view and appear as indistinct dark lines in what were lighter colored (tan) patches of ground. This change is barely perceptible, and does not change the character, composition, or scenic quality of the existing view. The undulating mix of fields and forests in the foreground and middle ground remain the character defining features of this view, and the visibility and appearance of the background landscape is essentially unaffected by the presence of the new panel arrays.

View with Mitigation

No mitigation is proposed at this location

Viewpoint Sensitivity[1]:

Scenic Quality:

- ☐ Low
- ☐ Moderate
- ☒ High

Viewer Exposure:

- ☒ Continuous
- ☒ Repeated/Regular
- ☒ Occasional/Brief
- ☒ Rare

Viewer Description Common Vocabulary[2]:

- Undulating Cultivated Farm Fields
- Unique Form of Gentle and Extreme Elevation Changes in the Background
- Rustic Panoramic Rolling Hills
- Dense vertical hedgerows

[1] Viewpoint Sensitivity information is gathered from rating panel results. Scenic Quality is an average based on Low = 1, Moderate = 2, High = 3. Viewer Exposure reflects all those selected be the review panel.

[2] Common vocabulary is gathered from rating panel results sheets.

Viewpoint Selection:

- ☐ Open views of proposed project or representative views of screening effects from vegetation, topography, or structures.
- ☐ Specific VSR with visibility.
- ☒ Typical view from an identified LSZ.
- ☒ Typical view of proposed project available to representative viewer/user group.
- ☐ Typical views of different numbers of PV Panels, from a variety of viewer distances, and under different lighting/sky conditions, to illustrate the range of visual change occuring with the project in place.
- ☒ Identified through visual outreach process

Contrast Rating Scores[3]:

Component	Score	Contrast Rating
Landform	0.3	Insignificant/Minimal
Vegetation	0.8	Minimal
Land Use	0.0	Insignificant
Water	NA	NA
Sky	0.0	Insignificant
Viewer Activity	0.0	Insignificant
AVERAGE	0.2	**Insignificant**

[3] Contrast Rating Scale: 0.0 - 0.2 (Insignificant), 0.3 – 0.7 (Insignificant/ Minimal), 0.8 – 1.2 (Minimal), 1.3 – 1.7 (Minimal/Moderate), 1.8 - 2.2 (Moderate), 2.3 – 2.7 (Moderate/Appreciable), 2.8 – 3.2 (Appreciable) 3.3 – 3.7 Appreciable/Strong), 3.8 – 4.0 (Strong). Score is average of scores from three rating panel members

Contrast Rating - Lowest and Highest Scores:

Component	Score	
	Low	High
Landform	0	1
Vegetation	0	2
Land Use	0	0
Water	NA	NA
Sky	0	0
Viewer Activity	0	0

Existing Conditions

Proposed View

No mitigation is proposed at this location

Existing Conditions

MORRIS RIDGE
solar project

Morris Ridge Solar Energy Center
Town of Mount Morris, Livingston County, New York
Visual Impact Assessment | Appendix D: Existing Conditions - Viewpoint 128

Visual Simulation

MORRIS RIDGE
solar project

Morris Ridge Solar Energy Center
Town of Mount Morris, Livingston County, New York
Visual Impact Assessment | Appendix D: Visual Simulation - Viewpoint 128

Appendix E

Visual Impact Assessment Rating Forms and Panel Information

Viewpoint	Panel Member	Landform	Vegetation	Land Use	Sky	Viewer Activity	TOTAL	AVERAGE
11 (1 year)	Nicole Reddington	0	0.5	0	0	0	0.5	0.1
	Steve Breitzka	2	2	0	0	0	4	0.8
	Andy Britton	1	1.5	1.5	1	1.5	6.5	1.3
	Average	1.0	1.3	0.5	0.3	0.5	3.7	0.7
13 (1 year)	Nicole Reddington	0	0	0	0	0	0	0
	Steve Breitzka	0	0	0	0	0	0	0
	Andy Britton	0	0.5	0.5	0	0.5	1.5	0.3
	Average	0.0	0.2	0.2	0.0	0.2	0.5	0.1
78 (1 year)	Nicole Reddington	0.5	4	4	2	3	13.5	2.7
	Steve Breitzka	4	3	4	3	1	15	3
	Andy Britton	1.5	4	3	1.5	4	14	2.8
	Average	2.0	3.7	3.7	2.2	2.7	14.2	2.8
80 (1 year)	Nicole Reddington	1.5	3.5	4	0	4	13	2.6
	Steve Breitzka	4	4	4	4	3	19	3.8
	Andy Britton	2	3.5	3.5	0.5	3.5	13	2.6
	Average	2.5	3.7	3.8	1.5	3.5	15.0	3.0
80 (5-7 year)	Nicole Reddington	1	3	4	0	3.5	11.5	2.3
	Steve Breitzka	4	3	4	3	3	17	3.4
	Andy Britton	2	3	3.5	0.5	3.5	12.5	2.5
	Average	2.3	3.0	3.8	1.2	3.3	13.7	2.7
93 (1 year)	Nicole Reddington	1	4	4	0	4	13	2.6
	Steve Breitzka	4	4	4	0	4	16	3.2
	Andy Britton	4	3	2	1	3.5	13.5	2.7
	Average	3.0	3.7	3.3	0.3	3.8	14.2	2.8
97 (1 year)	Nicole Reddington	4	2	4	0	4	14	2.8
	Steve Breitzka	4	1	4	3	4	16	3.2
	Andy Britton	3	2.5	2.5	1	4	13	2.6
	Average	3.7	1.8	3.5	1.3	4.0	14.3	2.9

Viewpoint	Panel Member	Landform	Vegetation	Land Use	Sky	Viewer Activity	TOTAL	AVERAGE
97 (5-7 year)	Nicole Reddington	4	1	3.5	0.5	3	12	2.4
	Steve Breitzka	1	4	4	2	2	13	2.6
	Andy Britton	2.5	1.5	2.5	2	3.5	12	2.4
	Average	2.5	2.2	3.3	1.5	2.8	12.3	2.5
99 (1 year)	Nicole Reddington	4	3	4	2	4	17	3.4
	Steve Breitzka	4	2	4	4	0	14	2.8
	Andy Britton	3.5	3	2	1.5	2	12	2.4
	Average	3.8	2.7	3.3	2.5	2.0	14.3	2.9
99 (5-7 year)	Nicole Reddington	4	3	3	1	3	14	2.8
	Steve Breitzka	3	4	4	3	0	14	2.8
	Andy Britton	3.5	1	1	1	1	7.5	1.5
	Average	3.5	2.7	2.7	1.7	1.3	11.8	2.4
103 (1 year)	Nicole Reddington	3	4	4	3	4	18	3.6
	Steve Breitzka	4	1	4	4	1	14	2.8
	Andy Britton	4	4	3.5	2.5	4	18	3.6
	Average	3.7	3.0	3.8	3.2	3.0	16.7	3.3
103 (5-7 year)	Nicole Reddington	3	3	3	1	3	13	2.6
	Steve Breitzka	4	3	4	3	1	15	3
	Andy Britton	4	3	3.5	2	3.5	16	3.2
	Average	3.7	3.0	3.5	2.0	2.5	14.7	2.9
118 (1 year)	Nicole Reddington	2	3	4	0	3.5	12.5	2.5
	Steve Breitzka	3	1	3	4	4	15	3
	Andy Britton	2	2	2	1.5	2	9.5	1.9
	Average	2.3	2.0	3.0	1.8	3.2	12.3	2.5
118 (5-7 year)	Nicole Reddington	1	3	3	0	3	10	2
	Steve Breitzka	3	4	3	3	4	17	3.4
	Andy Britton	1	1	1	1	2	6	1.2
	Average	1.7	2.7	2.3	1.3	3.0	11.0	2.2

Viewpoint	Panel Member	Landform	Vegetation	Land Use	Sky	Viewer Activity	TOTAL	AVERAGE
119 (1 year)	Nicole Reddington	0	2	4	0	3	9	1.8
	Steve Breitzka	2	2	4	4	0	12	2.4
	Andy Britton	1.5	2	2	2	2	9.5	1.9
	Average	1.2	2.0	3.3	2.0	1.7	10.2	2.0
119 (5-7 year)	Nicole Reddington	0	1	3	0	2	6	1.2
	Steve Breitzka	1	4	4	3	0	12	2.4
	Andy Britton	2.5	2	1	1.5	2	9	1.8
	Average	1.2	2.3	2.7	1.5	1.3	9.0	1.8
120 (1 year)	Nicole Reddington	3	3	4	1	4	15	3
	Steve Breitzka	4	4	4	3	0	15	3
	Andy Britton	1.5	2.5	3	0.5	2.5	10	2
	Average	2.8	3.2	3.7	1.5	2.2	13.3	2.7
120 (5-7 year)	Nicole Reddington	3	3	3	0	2.5	11.5	2.3
	Steve Breitzka	3	2	4	1	0	10	2
	Andy Britton	1	1.5	1.5	1	1.5	6.5	1.3
	Average	2.3	2.2	2.8	0.7	1.3	9.3	1.9
121 (1 year)	Nicole Reddington	3	4	4	2	4	17	3.4
	Steve Breitzka	2	2	4	4	0	12	2.4
	Andy Britton	3	3	3	2	3	14	2.8
	Average	2.7	3.0	3.7	2.7	2.3	14.3	2.9
121 (5-7 year)	Nicole Reddington	2.5	3	3	1	3	12.5	2.5
	Steve Breitzka	1	4	4	3	0	12	2.4
	Andy Britton	3	1.5	2	1.5	2.5	10.5	2.1
	Average	2.2	2.8	3.0	4.0	1.8	11.7	2.3
122 (1 year)	Nicole Reddington	3	4	4	2	3	16	3.2
	Steve Breitzka	1	3	4	3	0	11	2.2
	Andy Britton	3.5	3	2	1.5	2	12	2.4
	Average	2.5	3.3	3.3	2.2	1.7	13.0	2.6

Viewpoint	Panel Member	Landform	Vegetation	Land Use	Sky	Viewer Activity	TOTAL	AVERAGE
122 (5-7 year)	Nicole Reddington	2	3	3	1	1	10	2
	Steve Breitzka	0	4	4	1	0	9	1.8
	Andy Britton	2.5	1	1	2	1	7.5	1.5
	Average	1.5	2.7	2.7	1.3	0.7	8.8	1.8
123 (1 year)	Nicole Reddington	3	2.5	4	1	4	14.5	2.9
	Steve Breitzka	4	4	0	4	0	12	2.4
	Andy Britton	1.5	2	3	2.5	2.5	11.5	2.3
	Average	2.8	2.8	2.3	2.5	2.2	12.7	2.5
123 (5-7 year)	Nicole Reddington	3	2.5	4	0	2	11.5	2.3
	Steve Breitzka	4	3	0	2	0	9	1.8
	Andy Britton	1.5	1.5	2	2	2	9	1.8
	Average	2.8	2.3	2.0	1.3	1.3	-2.0	2.0
124 (1 year)	Nicole Reddington	0	1	4	0	4	9	1.8
	Steve Breitzka	2	2	0	0	0	4	0.8
	Andy Britton	1	2	2.5	0	2.5	8	1.6
	Average	1	1.7	2.2	0.0	2.2	7.0	1.4
124 (5-7 year)	Nicole Reddington	0	1	2	0	2	5	1
	Steve Breitzka	0	4	0	0	0	4	0.8
	Andy Britton	1	0.5	1	0.5	0.5	3.5	0.7
	Average	0.3	1.8	1.0	0.2	0.8	4.2	0.8
128 (1 year)	Nicole Reddington	0	0	0	0	0	0	0
	Steve Breitzka	1	2	0	0	0	3	0.6
	Andy Britton	0	0.5	0	0	0	0.5	0.1
	Average	0.3	0.8	0.0	0.0	0.0	1.2	0.2

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 11
Distance to Nearest Visible Array: 4.1 miles
Viewpoint Location: Latimer Rd, Town of Groveland, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents
Sensitive Site: NA
Mitigation Planting Module: None Visible at this distance

Rating Panel Information:

Your Name: Nicole Reddington
Date: April 27, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*

This is an expansive view looking over a rural road and an open field to an agricultural area downhill in the distance. There are some agricultural buildings visible in the distance/mid-ground, but the majority of the view is green in varying shades. The top of a hedgerow is visible in the mid-ground. The horizon is hazy and flat. The sky view is interrupted on the left by utility lines.

Contrast Rating:

(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	0	0	The panels do not affect the existing landform. They follow the same pattern as adjacent cropland.
Vegetation	.5	.5	The panels are darker than surrounding vegetation; may be more noticeable on clear/ less hazy day.
Land Use	0	0	From this distance, the panels blend in w/surrounding land use.
Water	N/A	N/A	
Sky	0	0	The panels do not effect the view of the sky.
Viewer Activity	0	0	The view will barely notice the panels from this distance.
TOTAL	.5	.5	*Total all scores above*
AVERAGE	0.08	0.08	*Average all scores above*

Viewpoint 11
Latimer Rd

Effectiveness of mitigation planting scheme
N/A

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The hazy atmosphere in this view may have helped to soften the view of the panels.

Perceived effect on scenic quality/viewer enjoyment:
The panels will have little effect on scenic quality at this viewpoint because of the distance from the viewer and that they will blend with surrounding land that has a 'patchwork' appearance due the the varying crops & vegetation.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 13
Distance to Nearest Visible Array: 3.1 miles
Viewpoint Location: State Route 63 (Groverland Station Road), Town of Groveland, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident, Through Travelers/Commuter
Sensitive Site: State Route 63
Mitigation Planting Module:: None visible at this distance

Rating Panel Information:

Your Name: Nicole Reddington
Date: April 27, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☒ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*

This is an expansive, pastoral view with an open field dominant in the foreground. The vegetated mass in the mid-ground breaks up the view and adds interest. There is a shallow hillside visible in the background and shallow mountains visible in the far distance on the left side of the horizon. The sky view is open and has a mix of blue sky/ cumulus & cirrus clouds that add interest to the view. There are utility lines that cut across the field but they are not dominating the view.

Contrast Rating:

(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	0	0	The panels follow the existing landform and blend in.
Vegetation	0	0	From this distance the panels could be mistaken for a darker mass of vegetation.
Land Use	0	0	The panels are barely visible/hard to notice difference from adjacent land use.
Water	N/A	N/A	
Sky	0	0	The panels do not effect the view of the sky.
Viewer Activity	0	0	The panels will barely be noticeable from this viewpoint.
TOTAL	0	0	*Total all scores above*
AVERAGE	0	0	*Average all scores above*

Viewpoint 13
State Route 63 (Groverland Station Road)

Effectiveness of mitigation planting scheme
N/A

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
N/A

Perceived effect on scenic quality/viewer enjoyment:
The panels will not effect the scenic quality from this viewpoint/distance and will likely not be noticed.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 78
Distance to Nearest Visible Array: 0.2 mile
Viewpoint Location: County Route 3 (Barron Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident, Through Travelers/Commuter
Sensitive Site: NA
Mitigation Planting Module: No module proposed at this viewpoint

Rating Panel Information:

Your Name: Nicole Reddington
Date: April 27, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*

This view overlooks a dormant crop that dominates the foreground. A deciduous hedgerow adds vertical interest to the mid-ground. The sky is overcast and gives the view a heavy feeling. There are a couple of agricultural buildings on the right/mid-ground and a taller mass of mainly deciduous trees on the left/mid-ground.

Contrast Rating:

(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	.5	.5	The panels stick out above the existing landform.
Vegetation	4	4	The panels remove the existing vegetation in the distance that added interest to the view.
Land Use	4	4	The panels are different than the surrounding land use.
Water	N/A	N/A	
Sky	2	2	The panels create a sharp line at the beginning of the sky view/as opposed to a natural edge.
Viewer Activity	3	3	The viewer will notice the panels, but not for a long stretch.
TOTAL	13.5	13.5	*Total all scores above*
AVERAGE	2.25	2.25	*Average all scores above*

Viewpoint 78

County Route 3 (Barron Rd)

Effectiveness of mitigation planting scheme

N/A

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

The overcast sky may help reduce glare off the panels. The vegetation was dormant and the view will be somewhat softened when the deciduous material is leafed out.

Perceived effect on scenic quality/viewer enjoyment:

The panels will reduce the scenic quality of the view. The hard line created by the top of the panels uniform and contrasts with the natural edge of the existing vegetation. When the trees to remain leaf out and the crop in the foreground is growing, the view will be somewhat softened.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 80
Distance to Nearest Visible Array: 0.1 mile
Viewpoint Location: County Route 3 (Barron Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident, Through Travelers/Commuter
Sensitive Site: NA
Mitigation Planting Module: Module 1

Rating Panel Information:

Your Name: Nicole Reddington
Date: April 28, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*

This is a view of an agricultural field with varying swaths of vegetation in the foreground. The variety of texture and colors in the foreground add interest to the view. There is a dormant crop in the mid-ground and a hedgerow of varying heights defining the horizon line. The sky is heavy and overcast.

Contrast Rating:

(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	1.5	1	The panels follow the existing landform but add a sharp line to the horizon line.
Vegetation	3.5	3	The panels cut off the view of the hedgerow.
Land Use	4	4	The panels differ from the surrounding land use.
Water	N/A	N/A	
Sky	0	0	The panels do not alter the view of the sky.
Viewer Activity	4	3.5	The viewers will notice the panels, but not for a long stretch.
TOTAL	13	11.5	*Total all scores above*
AVERAGE	2.16	1.91	*Average all scores above*

Viewpoint 80

County Route 3 (Barron Rd)

Effectiveness of mitigation planting scheme

The mitigation planting breaks up the view of the panels slightly, but only for a small portion of the view.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

The sky was overcast in this view. When the sky is clear the reflection off the panels may create more contrast with the surroundings. The vegetation was dormant in this view - when it is leafed out the strip of grasses & perennials in the foreground may help soften the view slightly.

Perceived effect on scenic quality/viewer enjoyment:

The panels will reduce the scenic quality of this view. Additional plantings would help soften the view.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 93
Distance to Nearest Visible Array: 0.2 mile
Viewpoint Location: Creek Road, Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Resident
Sensitive Site: NA
Mitigation Planting Module: To be determined

Rating Panel Information:
Your Name: Nicole Reddington
Date: April 28, 2020

Viewpoint Sensitivity:
Scenic Quality: (*Please rate existing scenic quality*)
☐ Low ☐ Moderate ☒ High

Viewer Exposure: (*Please rate frequency and duration of view*)
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: (*Please describe this view in your own words.*)

This is a view of a dormant crop ; the crop row lines draw the eye into the mid-ground where the lines become horizontal and lead to a mass of mostly deciduous vegetation on the right. The view is interesting because it has intersecting layers, of cropland, hedgerows, mountains in the background and sky. The sky is heavy and overcast. There are some utility lines in the mid-ground that somewhat distract from the otherwise rural view, but they do not dominate the view.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	1	1	The substation falls in line with the landform but sticks out on top of it.
Vegetation	4	4	The view to the vegetation in the mid-ground is blocked and the crop in foreground is removed.
Land Use	4	4	The commercial/industrial looking buildings are very different looking from surrounding agricultural land use.
Water	N/A	N/A	
Sky	0	0	The sky view is not interrupted by the substation.
Viewer Activity	4	4	The substation is very noticeable and creates a industrial feel.
TOTAL	13	13	*Total all scores above*
AVERAGE	2.17	2.27	*Average all scores above*

Viewpoint 93
Creek Road

Effectiveness of mitigation planting scheme

N/A

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

The sky in this view is overcast, there may be more glare of the building & equipment on clear, sunny days.

Perceived effect on scenic quality/viewer enjoyment:

The substation is in high contrast to the surrounding agricultural fields. The materials are lighter in color than the surroundings and magnify the contrast. Mitigation plantings would help screen the view of the substation.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 97
Distance to Nearest Visible Array: 0.1 mile
Viewpoint Location: Frost Road, Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Residents
Sensitive Site: NA
Mitigation Planting Module: Modules 1 and 2

Rating Panel Information:
Your Name: Nicole Reddington
Date: April 28, 2020

Viewpoint Sensitivity:
Scenic Quality: (*Please rate existing scenic quality*)
☐ Low ☒ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view*)
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: (*Please describe this view in your own words.*)

This is a view over a flat agricultural field with some picturesque rural buildings (barn, silo & residence) in the mid-ground. A few trees in the mid-ground add a vertical element that help break up the horizontal/flat view. The rural road in the foreground dominates the view and detracts from the quality. The hillside along the horizon adds to the quality of the view. The clear, open sky creates a vast open feeling.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	4	4	The panels block the view of the landform in the background.
Vegetation	2	1	The panels block the view to mid-ground vegetation; the mitigation plantings add vertical interest taken away by blocking the mid-ground.
Land Use	4	3.5	The panels are a different land use than adjacent farms.
Water	N/A	N/A	
Sky	0	.5	The mitigation vegetation slightly shortens the view to the sky.
Viewer Activity	4	3	The viewer will notice the panels; the plantings will help soften the view.
TOTAL	14	12	*Total all scores above*
AVERAGE	2.33	2	*Average all scores above*

Viewpoint 97
Frost Road

Effectiveness of mitigation planting scheme

The mitigation planting effectively blocks most of the panels. It would help to taper the denser plantings better to where there are open spaces with the addition of more deciduous trees/shrubs.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

N/A

Perceived effect on scenic quality/viewer enjoyment:

The panels are very noticeable and although the mitigation plantings will help, the view is changed significantly from a more open/expansive, rural view to a shortened, unnatural view.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 99
Distance to Nearest Visible Array: 129 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuter
Sensitive Site: State Route 408
Mitigation Planting Module: Modules 1 and 3

Rating Panel Information:
Your Name: Nicole Reddington
Date: April 30, 2020

Viewpoint Sensitivity:
Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*
This is a long view over a dormant agricultural field in winter. The mid-ground/left side is defined by a rural residence partially screened by a deciduous and evergreen hedgerow. There is a line of deciduous trees in the distance and a shallow, flat ridge-line along the horizon. The sky is clear and the view to the sky is open.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	4	4	The panels and plantings block the horizon line.
Vegetation	3	3	The panels & plantings block the existing hedgerow & treeline.
Land Use	4	3	The panels differ from surrounding agricultural land use.
Water	N/A	N/A	
Sky	2	1	The panels create a sharp edge at the horizon; the plantings will soften the edge.
Viewer Activity	4	3	The viewer will notice the panels; the plantings will help screen the view.
TOTAL	17	14	*Total all scores above*
AVERAGE	2.83	2.33	*Average all scores above*

Viewpoint 99
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme
The plantings effectively screen the panels, however where there are gaps, the panels are highly visible. It would help to add some more deciduous trees in the gaps to help partially screen without being a dense wall of vegetation.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
N/A

Perceived effect on scenic quality/viewer enjoyment:
The panels will reduce the scenic quality of the view. The view to the horizon is lost and the view has been shortened. The plantings will help create a more natural edge on the horizon and over time will offer seasonal interest.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 103
Distance to Nearest Visible Array: 98 feet
Viewpoint Location: County Route 30 (Dutch Street Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Residents
Sensitive Site: NA
Mitigation Planting Module: Module 1

Rating Panel Information:
Your Name: Nicole Reddington
Date: April 28, 2020

Viewpoint Sensitivity:
Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*
This is a quiet/peaceful rural view. The dormant crop dominates the foreground. The barn and silo on the left side of the mid-ground add vertical and cultural interest. The horizon is defined by a low/horizontal hillside and a darker band of hedgerow in the mid-ground adds some interest. The sky is clear and open.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	3	3	The panels and plantings block the landform on the horizon.
Vegetation	4	3	The view of all existing vegetation is changed; the mitigation plantings replace some.
Land Use	4	3	The panels differ from adjacent land use; the plantings will help soften the contrast.
Water	N/A	N/A	
Sky	3	1	The panels create a sharp line along the horizon; the plantings will help soften the line.
Viewer Activity	4	3	The viewer will notice the high contrast of the panels; the plantings will help soften the view.
TOTAL	18	13	*Total all scores above*
AVERAGE	3	2.16	*Average all scores above*

Viewpoint 103
County Route 30 (Dutch Street Rd)

Effectiveness of mitigation planting scheme
The mitigation planting somewhat softens the view of the panels. It would be helpful to add more groupings of trees/shrubs.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
N/A

Perceived effect on scenic quality/viewer enjoyment:
The viewer will notice the high contrast in the view from what it was. The plantings will help soften the view and could be even more effective w/more groupings of plants.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 118
Distance to Nearest Visible Array: 119 feet
Viewpoint Location: County Route 30 (Dutch Street Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Residents
Sensitive Site: NA
Mitigation Planting Module: Modules 1 and 3

Rating Panel Information:
Your Name: Nicole Reddington
Date: April 30, 2020

Viewpoint Sensitivity:
Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*
This is a winter view across an agricultural field with a barn and silo in the mid-ground/right side, adding visual interest. There is a rural residence in the distance near the road with evergreen and deciduous trees around it and a mass of deciduous vegetation in the mid ground. The horizon is defined by a shallow, flat ridge. The sky view is open and overcast.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	2	1	The panels block some of the slope in mid-ground.
Vegetation	3	3	The panels and plantings block the existing mass of vegetation in mid-ground.
Land Use	4	3	The panels differ from surrounding agricultural land use.
Water	N/A	N/A	
Sky	0	0	
Viewer Activity	3.5	3	The viewers will notice the panels and change in view.
TOTAL	12.5	10	*Total all scores above*
AVERAGE	2.10	1.67	*Average all scores above*

Viewpoint 118
County Route 30 (Dutch Street Rd)

Effectiveness of mitigation planting scheme
The planting adequately screens the view parallel to the road; however, the panels are highly visible in the corner by the barn. It would help mitigate the view more if plantings were added between the barn and the panel fencing to soften the view next to the barn.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
N/A

Perceived effect on scenic quality/viewer enjoyment:
The scenic quality of the view will be somewhat reduced by the panels. It helps that the panels are on a slope away from the road, as it helps them be tucked away more and are not so obtrusive.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 119
Distance to Nearest Visible Array: 165 feet
Viewpoint Location: County Route 30 (Dutch Street Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident
Sensitive Site: NA
Mitigation Planting Module: Modules 1, 3 and 4

Rating Panel Information:
Your Name: Nicole Reddington
Date: April 30, 2020

Viewpoint Sensitivity:
Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☒ Continuous ☐ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*
This is a winter view over a dormant agricultural field with a deciduous hedgerow in the mid-ground, a couple of small residences in view in the distance. A shallow, flat ridgeline defines the horizon. The sky view is open and overcast.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	0	0	
Vegetation	2	1	The panels and plantings block some of the hedgerow.
Land Use	4	3	The panels differ from surrounding agricultural land use.
Water	N/A	N/A	
Sky	0	0	
Viewer Activity	3	2	The viewer will notice the panels, but the plantings will help.
TOTAL	9	6	*Total all scores above*
AVERAGE	1.5	1	*Average all scores above*

Viewpoint 119
County Route 30 (Dutch Street Rd)

Effectiveness of mitigation planting scheme
The planting is very effective at screening the panels with a well-balanced mix of evergreen and deciduous trees and shrubs. The plantings will offer a good variety of seasonal color and interest.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
N/A

Perceived effect on scenic quality/viewer enjoyment:
The scenic quality will be initially reduced by the panels, however the plantings introduce a nice aesthetic and more interest than the existing view. It helps that the panels are on a slope away from the road.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 120
Distance to Nearest Visible Array: 136 feet
Viewpoint Location: County Route 30 (Dutch Street Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident
Sensitive Site: NA
Mitigation Planting Module: Module 1

Rating Panel Information:

Your Name: Nicole Reddington
Date: April 28, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*

This is an long, open rural view in winter over a dormant crop with a hedgerow along the horizon line in the distance. The sky is overcast and a utility line cuts across the upper left side of the foreground. There are some barns and/or rural residences in the left side of the mid-ground.

Contrast Rating:

(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	3	3	The panels and plantings block the view of the horizon line.
Vegetation	3	3	The plantings block the view to the existing vegetation along the horizon.
Land Use	4	3	The panels differ from the surrounding land use/rural agriculture.
Water	N/A	N/A	
Sky	1	0	The panels create a sharp line along the skyline; the plantings helps soften/create a more natural line.
Viewer Activity	4	2.5	The panels take over the view and are very noticeable; the plantings help soften the contrast.
TOTAL	15	11.5	*Total all scores above*
AVERAGE	2.5	1.91	*Average all scores above*

Viewpoint 120
County Route 30 (Dutch Street Rd)

Effectiveness of mitigation planting scheme

The mitigation planting is very effective at screening the view of the panels. The groupings are arranged in a way that softens the view without create a stark 'wall' of vegetation.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

N/A

Perceived effect on scenic quality/viewer enjoyment:

Initially the panels will be very noticeable and in high contrast to the surroundings, especially because the view is of the backs of the panels which is very dark. As the plantings mature, the view will be softened and the panels will be not be as dominating.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 121
Distance to Nearest Visible Array: 193 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuters
Sensitive Site: State Route 408
Mitigation Planting Module: Modules 2 and 3

Rating Panel Information:

Your Name: Nicole Reddington
Date: April 30, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☒ Low ☐ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*

This is an open, long view of a winter scene across an agricultural field. There is a residence and some rural structures in the left side/mid-ground with some taller deciduous trees around them and a mass/line of mostly deciduous trees across the mid-ground. the horizon is defined by a shallow, flat ridge-line in the far distance. The sky view is open and mostly overcast.

Contrast Rating:

(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	3	2.5	The panels block the land-form in the distance.
Vegetation	4	3	The panels and plantings block the existing vegetation.
Land Use	4	3	The panels differ from surrounding agricultural land use.
Water	N/A	N/A	
Sky	2	1	The panels create a sharp line against the horizon; the plantings will help soften the edge.
Viewer Activity	4	3	The panels change the view; the plantings somewhat soften the view.
TOTAL	17	12.5	*Total all scores above*
AVERAGE	2.83	2.10	*Average all scores above*

Viewpoint 121
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme

The planting scheme offers a nice variety of evergreen and deciduous trees and shrubs and partially screens the view of the panels. It would help if the gap areas had some deciduous trees to soften the view and add vertical variety/visual interest.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

On a clear day the panels may have more glare and be more obtrusive.

Perceived effect on scenic quality/viewer enjoyment:

Initially the scenic quality will be reduced. Once the plantings mature, they will help restore some aesthetic value to the view, although they will not completely screen the fence and panels.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 122
Distance to Nearest Visible Array: 125 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuters
Sensitive Site: State Route 408
Mitigation Planting Module: Modules 1 and 2

Rating Panel Information:
Your Name: Nicole Reddington
Date: April 30, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☒ Low ☐ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☒ Continuous ☐ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*
This is a flat, open winter view of an agricultural field with a residence in the distance screened by a hedgerow, which offers some variety to the view. A deciduous hedgerow and partial view of a ridge-line define the horizon line. The sky view is open and overcast.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	3	2	The panels dominate the view of the land-form beyond.
Vegetation	4	3	The panels block the view of most existing vegetation.
Land Use	4	3	The panels differ from surrounding agricultural land use.
Water	N/A	N/A	
Sky	2	1	The panels create a sharp line against the horizon; the plantings will help soften the edge.
Viewer Activity	3	1	The panels change the view; the plantings will add interest to the view.
TOTAL	16	10	*Total all scores above*
AVERAGE	2.67	1.67	*Average all scores above*

Viewpoint 122
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme
The plantings are very effective at screening the panels and fencing, while also adding variety and interest to the view.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
On a clear day the panels may have more glare and be more obtrusive.

Perceived effect on scenic quality/viewer enjoyment:
The scenic quality will be initially reduced by the panels, however the plantings introduce a nice aesthetic and more interest than the existing view.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 123
Distance to Nearest Visible Array: 121 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuters
Sensitive Site: State Route 408
Mitigation Planting Module: Module 1

Rating Panel Information:
Your Name: Nicole Reddington
Date: April 28, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*
This is a rural view over a snow covered dormant agricultural field. The horizon is defined by a mainly deciduous hedgerow and a slight view of a shallow hillside. The sky is overcast and there is a deer warning sign on the left mid-ground.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	3	3	The panels and plantings cut of the view to the horizon.
Vegetation	2.5	2.5	The plantings block the view to the majority of the existing vegetation along the horizon.
Land Use	4	4	The panels differ from the surrounding agricultural land use.
Water	N/A	N/A	
Sky	1	0	The panels create a sharp line along the skyline; the plantings helps soften/create a more natural line.
Viewer Activity	4	2	The panels dominate the view; the plantings will help soften the view.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 123
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme
The mitigation plantings do a good job at softening the view without being a 'wall' and creating some visual interest in the foreground.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The sky is overcast in this view; there may be more contrast when the sky is clear and the panels reflect the blue sky/ possibly appearing darker.

Perceived effect on scenic quality/viewer enjoyment:
Initially the scenic quality will be reduced as the panels are close to the road and highly visible. Once the plantings mature, the view will be softened and seasonal/visual interest will be added.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 124
Distance to Nearest Visible Array: 202 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuters
Sensitive Site: State Route 408
Mitigation Planting Module: Module 3

Rating Panel Information:
Your Name: Nicole Reddington
Date: April 28, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*

This is a rural view over a snow covered dormant agricultural field. The horizon is defined by a mainly deciduous hedgerow. The sky is overcast and there are utility lines cutting acros the upper foreground.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	0	0	
Vegetation	1	1	The panels recede into the existing hedgerow; the mitigation plantings fit in w/existing plantings.
Land Use	4	2	The panels differ from the surrounding agricultural land use; the mitigation plantings will help them blend in.
Water	N/A	N/A	
Sky	0	0	
Viewer Activity	4	2	Initially the panels will be very noticeable. Over time the mitigation plantings will screen the view.
TOTAL	9	5	*Total all scores above*
AVERAGE	1.5	0.83	*Average all scores above*

Viewpoint 124
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme

The mitigation planting is very effective at screening the plantings from view . The 'hedgerow' type planting fits in well with the surroundings.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

N/A

Perceived effect on scenic quality/viewer enjoyment:

The panels will be very noticeable until the mitigation plantings grow in. The plantings will eventually screen the view of the panels in a way that suits the surroundings. The plantings will offer year round color and interest and ultimately enhance the view.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 128
Distance to Nearest Visible Array: 4.9 miles
Viewpoint Location: Ireland Road
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Resident
Sensitive Site: NA
Mitigation Planting Module: None Visible at this distance

Rating Panel Information:
Your Name: Nicole Reddington
Date: April 28, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☒ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*

The interwoven , rolling hills and hedgerows make this a very pleasing view. The foreground is dominated by rolling fields broken up by vertical hedgerows and plant masses. The view is expansive and the horizon is defined by a pale blue hillside. The sky is overcast and adds to the 'drama' of the view.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	0	0	
Vegetation	0	0	
Land Use	0	0	
Water	N/A	N/A	
Sky	0	0	
Viewer Activity	0	0	
TOTAL	0	0	*Total all scores above*
AVERAGE	0	0	*Average all scores above*

Viewpoint 128
Ireland Road

Effectiveness of mitigation planting scheme

N/A

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

N/A

Perceived effect on scenic quality/viewer enjoyment:

The panels are barely visible from this viewpoint and could be mistaken for a change in vegetation.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 11
Distance to Nearest Visible Array: 4.1 miles
Viewpoint Location: Latimer Rd, Town of Groveland, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents
Sensitive Site: NA
Mitigation Planting Module: None Visible at this distance

Rating Panel Information:

Your Name: Steve Breitzka
Date: April 27, 2020

Viewpoint Sensitivity:

Scenic Quality: (*Please rate existing scenic quality*)
☐ Low ☒ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view*)
☒ Continuous (resident) ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: (*Please describe this view in your own words.*)
Elevated view from an unstriped asphalt road overlooking a rural valley. Smaller industrial development and farms are visible in the distance, scattered among fields and large tree stands. Very minor topographic change after this hill; horizon appears flat.
Overhead utility lines crisscross the main road; a freshly cut drainage ditch runs down the right side of the road. Two residential driveways across from each other at the crest of the hill. Pale blue sky with a few smaller puffy white clouds.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	2	NA	There is little topography change across this view. The panels appear like dark masses in the distance, creating their own landform.
Vegetation	2	NA	The various arrays could almost pass for fields of dark vegetation from this vantage point. The repetition in the landscape is more apparent on the far right.
Land Use	0	NA	No apparent impact to land use in this view.
Water	0	NA	The only visible water is a narrow band in the drainage ditch.
Sky	0	NA	The panels do not appear to pick up or reflect the sky in the view. They appear as brown swaths across the landscape.
Viewer Activity	0	NA	No impact to activities.
TOTAL	4	NA	*Total all scores above*
AVERAGE	0.67	NA	*Average all scores above*

Viewpoint 11
Latimer Rd

Effectiveness of mitigation planting scheme
No mitigation shown.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
These arrays will likely always appear somewhat camoflaged from this distance and elevation. Even when the trees lose their leaves and the ground is covered in snow. The panels just move with the landscape and blend in like patches of fabric draped over the fields.

Perceived effect on scenic quality/viewer enjoyment:
There are two residences that will have this view continuously. The panels are difficult to distinguish at this distance; they should have little to no effect on this particular view since there is already visible development in the valley. The panels do not detract from a focal point but are rather spread across the majority of this view.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 13
Distance to Nearest Visible Array: 3.1 miles
Viewpoint Location: State Route 63 (Groverland Station Road), Town of Groveland, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident, Through Travelers/Commuter
Sensitive Site: State Route 63
Mitigation Planting Module:: None visible at this distance

Rating Panel Information:

Your Name: Steve Breitzka
Date: April 27, 2020

Viewpoint Sensitivity:

Scenic Quality: (*Please rate existing scenic quality*)
☒ Low ☐ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view*)
☒ Continuous ☒ Repeated/Regular (possibly from nearby Livingston County Emergency Medical Services)
☐ Occasional/Brief ☐ Rare

Viewer Description: (*Please describe this view in your own words.*)
Clear view across an open grassland meadow to Highway 390 cutting through the landscape. The distant landscape is a low, rolling, woodland hillside with minimal open spaces. An overhead utility line cuts across the meadow in the foreground, almost unnoticeable and blending with the dense vegetation.
The horizon is consistent line in the distance with minor elevation changes. Partly cloudy blue sky is free of any obstruction above the horizon.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	0	NA	The arrays follow the topography and blend in with the landscape.
Vegetation	0	NA	While the panels fill in smaller distant meadows, they appear more like woodland shadows than any kind of disturbance.
Land Use	0	NA	No apparent impact to land use in this view.
Water	NA	NA	No water visible in this view.
Sky	0	NA	The panels do not appear to pick up or reflect the sky in the view. They closely resemble darker shadow areas in the landscape.
Viewer Activity	0	NA	No impact to activities.
TOTAL	0	NA	*Total all scores above*
AVERAGE	0.0	NA	*Average all scores above*

Viewpoint 13
State Route 63 (Groverland Station Road)

Effectiveness of mitigation planting scheme
No mitigation shown.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
As depicted, the solar panels will be very difficult to identify in this view regardless of the season or weather. A snow covered landscape will still have large stands of trees that will mask the solar panels.

Perceived effect on scenic quality/viewer enjoyment:
Very few people will ever have this view. The primary observers will be people at the Livingston County Emergency Medical Service Facility and the Livingston County Highway Department. While this is a pleasant view, the highway disrupts the landscape and the panels are almost invisible in the distance.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Rating Panel Information:
Your Name: Steve Breitzka
Date: April 27, 2020

Viewpoint Information:
Viewpoint Number: 78
Distance to Nearest Visible Array: 0.2 mile
Viewpoint Location: County Route 3 (Barron Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident, Through Travelers/Commuter
Sensitive Site: NA
Mitigation Planting Module: No module proposed at this viewpoint

Viewpoint Sensitivity:
Scenic Quality: *(Please rate existing scenic quality)*
☒ Low ☐ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: *(Please describe this view in your own words.)*
Roadside view across a cultivated corn field to a tree line dividing adjacent fields. Dense woodland lines the fields to the left, large garage outbuilding in the distance to the right. The garage is part of a single family residence just outside the view.
Monochromatic rather gloomy view of the cultivated field, leafless trees, and a solid overcast cloudy sky.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	4	NA	The panels create a consistent line across the otherwise undisturbed farm field. The slight elevation difference between fields is accentuated by the bar of panels.
Vegetation	3	NA	There is some clearing with the panels. The trees that remain feel out of place between the fields, appearing as a sparse single file line.
Land Use	4	NA	The agricultural field is being converted to a solar panel field.
Water	NA	NA	No water visible in this view.
Sky	3	NA	The panels take the place of trees at the horizon, changing from a mess of branches to a solid mass across the majority of the view.
Viewer Activity	1	NA	The only apparent impact will be to the one residence that shares a property line with the solar array. The panels are now in the backyard, opposed to crops.
TOTAL	15	NA	*Total all scores above*
AVERAGE	3.0	NA	*Average all scores above*

Viewpoint 78
County Route 3 (Barron Rd)

Effectiveness of mitigation planting scheme
No mitigation shown.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
A bright suny day may make the panels stand out more in the landscape although they are already quite visible. Leaves on the trees will provide minor buffering as there are few trees remaining between the fields. A snow-covered field in the foreground will make the panels pop during the winter.

Perceived effect on scenic quality/viewer enjoyment:
The only effect will be on the one single-family residence to the right of the view. This development will take place in their backyard, converting an agricultural crop field to one filled with solar panels. While not a scenic view, the panels appear monotonous and endless in this view.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Rating Panel Information:
Your Name: Steve Breitzka
Date: April 27, 2020

Viewpoint Information:
Viewpoint Number: 80
Distance to Nearest Visible Array: 0.1 mile
Viewpoint Location: County Route 3 (Barron Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident, Through Travelers/Commuter
Sensitive Site: NA
Mitigation Planting Module: Module 1

Viewpoint Sensitivity:
Scenic Quality: *(Please rate existing scenic quality)*
☒ Low ☐ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: *(Please describe this view in your own words.)*
An overgrown drainage ditch adjacent to the road lines the foreground, a turf rural airport runway (Tuscarora Plateau Airport) and a cultivated corn field comprise the midground, backed by stands of deciduous trees at the horizon.
Overcast cloudy day, free of much color or development.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	4	4	While there is very little elevation change, the panels create a solid seprentine line through across the entire view.
Vegetation	4	3	The panels do not project above the trees at the horizon, however, the soft vegetated edge is cut off by the sharp line of panels. 5-7 year adds some buffer.
Land Use	4	4	The cornfield is techinically still a field but it now has a chain-link fence, support structures, and endless panels.
Water	NA	NA	No water visible in this view.
Sky	4	3	The panels pull the color of the sky into the landscape, adding a matte gray bar across the view. 5-7 year plants provide some relief to the consistency.
Viewer Activity	3	3	Similar to land use, the field is being converted from a crop to solar panels. It is unclear if the panels affect usage of the adjacent runway.
TOTAL	19	17	*Total all scores above*
AVERAGE	3.8	3.4	*Average all scores above*

Viewpoint 80
County Route 3 (Barron Rd)

Effectiveness of mitigation planting scheme
The 5-7 year plant materials do break up the fence and line of panels. 3-6 month is almost unnoticeable against the chainlink fence and within the panel shadows. The 5-7 year groupings appear out of place in this landscape. There are no visible conifers until the new plant materials are introduced. The panels also extend from left to right across the entire view while there are only two small collections of mitigation planting. The "leaf-on" is somewhat misleading in that the existing trees at the horizon are still shown without leaves.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The panels will be clearly visible regardless of season or weather.

Perceived effect on scenic quality/viewer enjoyment:
While this is not a destination picturesque view, the panels do significantly alter the landscape from agricultural to more industrial. The chain link fence appears more foreign than the panels, adding a harsh edge to an otherwise open field landscape.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 93
Distance to Nearest Visible Array: 0.2 mile
Viewpoint Location: Creek Road, Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Resident
Sensitive Site: NA
Mitigation Planting Module: To be determined

Rating Panel Information:
Your Name: Steve Breitzka
Date: April 28, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☒ Low ☐ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☒ Continuous (residents) ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: *(Please describe this view in your own words.)*
Expansive rows of cultivated corn fields rolling into the distance. A dense woodland fills in the right side of the view, obscuring an overhead utility line that continues off the left side of the view. Farm fields are cast across the countryside near the horizon.
Dark and overcast sky gives the whole view a gray wash.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	4	NA	There is a subtle roll to the landscape starting in the foreground and continuing back to and across the horizon. The proposed facility interrupts this subtlety.
Vegetation	4	NA	The proposed facility completely dominates the view and dramatically changes the agricultural landscape.
Land Use	4	NA	The cornfield is being converted into an industrial use.
Water	NA	NA	No water visible in this view.
Sky	0	NA	Everything remains below the horizon and there is no impact on the sky.
Viewer Activity	4	NA	Similar to land use, the cornfield is being converted from a crop to an industrial use, completely surrounded by chainlink fencing.
TOTAL	16	NA	*Total all scores above*
AVERAGE	3.2	NA	*Average all scores above*

Viewpoint 93
Creek Road

Effectiveness of mitigation planting scheme
No mitigation shown.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The facility will cast a unique shadow on sunn days, possibly drawing more attention to the field. This development will also stand out more within a snow-covered landscape. The shade of green on the building does help with blending into the context.

Perceived effect on scenic quality/viewer enjoyment:
Very few people will have this view regularly. It lacks a focal point and any specific draw. However, the facility that is going here has a significant footprint on the landscape. The countryside if being converted from rolling farm field to developed industrial. The facility now becomes the focal point in this view.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 97
Distance to Nearest Visible Array: 0.1 mile
Viewpoint Location: Frost Road, Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Residents
Sensitive Site: NA
Mitigation Planting Module: Modules 1 and 2

Rating Panel Information:
Your Name: Steve Breitzka
Date: April 28, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☒ Low ☐ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☒ Continuous (residents) ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: *(Please describe this view in your own words.)*
A flat, sprawling cornfield from edge to edge and a white-gray asphalt road makes up the foreground. There is a farmhouse residence and barn at the intermediate horizon with a few mature decidous and coniferous trees.
The distant horizon is composed of larger rolling hills forming a valley in the center of the view. The landscape appears similar in the distance: farmland and wooded areas.
An overhead utility line is barely visible across the middle of the view.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	4	1	The dark line of the tilted panels creates a built landform in the landscape, taking the place of the distant hills. The 5-7 year planting breaks up the top edge.
Vegetation	1	4	There is very little vegetation in this view until the mitigation. The 3-6 month starts the buffer, the 5-7 year fills in the space between the road and the fence.
Land Use	4	4	The cornfield is being converted into an industrial use with a significant landscape buffer along the roadside.
Water	NA	NA	No water visible in this view.
Sky	3	2	The dark band of panels provides a stark contrast between the foreground and the sky. Existing condition has soft haze while proposed is a solid dark line.
Viewer Activity	4	2	Similar to land use, the cornfield is being converted from a crop to an industrial use, completely surrounded by chainlink fencing. The buffer softens the edge.
TOTAL	16	13	*Total all scores above*
AVERAGE	3.2	2.6	*Average all scores above*

Viewpoint 97
Frost Road

Effectiveness of mitigation planting scheme
The plant mitigation, particularly as it matures to the 5-7 year period, is highly effective in not only screening a large portion of the "wall" of panels, but also at providing a soft buffer at the edge of the array. The plant density and variety works well in this context, which is void of existing plant materials. There is a clear layering of materials that screens the consistent height and mass the panels present.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The panels may not be as stark in the landscape on an overcast day; the bright blue sky makes them stand out more at the horizon. Leaf on seasons as the plants mature will continue to obscure the panels to the point where the understory meadow grasses and shrubs may require maintenance.

Perceived effect on scenic quality/viewer enjoyment:
The greatest impact will be on the residences on the north side of Frost Road. The solar array is now their front yard, in what used to be farmland. The planting mitigation strategy is effective at screening the view of the panels, however, the same strategy blocks the view to the distant rolling hills. While Frost Road is not lined with homes, the few there will have this view always.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 99
Distance to Nearest Visible Array: 129 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuter
Sensitive Site: State Route 408
Mitigation Planting Module: Modules 1 and 3

Rating Panel Information:
Your Name: Steve Breitzka
Date: May 4, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☒ Low ☐ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☒ Continuous (residents) ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: *(Please describe this view in your own words.)*
Flat, cultivated farm field with minimal snow cover. There is a house surrounded by a mature landscape at the left side of the view. Mature deciduous trees line the intermediate horizon, followed by a distant hillside with a similar landscape type.
Sky is a bright blue white at the horizon, filled with a sheet of thin gray clouds, leading to a rich blue near the top of the view.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	4	3	The existing condition has a lack of landform, consisting of a flat field. The panels generate a sharp, manufactured landform, partiually screened by the 5-7 plants.
Vegetation	2	4	There is very little vegetation present before the mitigation. 3-6 month equates to a low-level buffer while 5-7 overtakes the view.
Land Use	4	4	The panels convert the entire agricultural field to an industrial focused use.
Water	NA	NA	No water visible in this view.
Sky	4	3	The existing horizon is softened by distant plant materials. The panels create a sharp jagged edge in the sky. Mitigation, as it matures, helps in easing this line.
Viewer Activity	0	0	No apparent impact to activities, other than the fact that the farm field can no longer be planted.
TOTAL	14	14	*Total all scores above*
AVERAGE	2.8	2.8	*Average all scores above*

Viewpoint 99
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme
The plant materials add a significant buffer to the panels and the chain link fence. There is a layering effect that amplifies the buffer, beginning with th open grass area, followed by a dense wildflower understory, and finishing with shrubs and small trees. The mitigation is more effective as it matures with the 3-6 month providing minimal screening, but still creating a softer transition to the field.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
It is difficult to tell if it is the time of day or material selection but the chainlink fence and panel structures have a warm earth tone color. The leaf-on and leaf-off views have a warm tone as well which makes the development blend with the surroundings more than a galvanized fence for instance.
The pale blue sky backdrop makes everything, panels and plants, stand out more with a sharp contrast.

Perceived effect on scenic quality/viewer enjoyment:
This is not a particularly scenic view. There is no defined focal point or anything unique in the landscape. However, adjacent residents who have this view regularly may see this as picturesque farmland, now interrupted by development.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 103
Distance to Nearest Visible Array: 98 feet
Viewpoint Location: County Route 30 (Dutch Street Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Residents
Sensitive Site: NA
Mitigation Planting Module: Module 1

Rating Panel Information:
Your Name: Steve Breitzka
Date: April 28, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☒ Low ☐ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: *(Please describe this view in your own words.)*
View of a cultivated farm field adjacent to an older but well-kept barn. The field falls away to the right in the view, leading to dense deciduous and coniferous woodlands.
The tops of two white towers (presumably water for the correctional facility) are visible at the intermediate horizon. A consistent elevation hillside forms the distant horizon, covered by a similar landscape of woods and fields.
Sky is white to medium blue with a few whispy patches of clouds.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	4	4	The only landform is at the horizon where the hillside runs the length of the view. The panels, regardless of vegetation, erase the hillside from view.
Vegetation	1	3	The vegetation does not have much impact until it matures. The wildflower meadow groundcover is more eye-catching than the tree clusters.
Land Use	4	4	The field is being converted into an industrial use that dominates this view.
Water	NA	NA	No water visible in this view.
Sky	4	3	The choppy top edge of the angled panels is sharp in the sky, providing a harsh contrast. The mature vegetation breaks this up and provides some relief.
Viewer Activity	1	1	Nothing significant about how this affects viewers, except that this view is quite different with the proposed array.
TOTAL	14	15	*Total all scores above*
AVERAGE	2.8	3.0	*Average all scores above*

Viewpoint 103
County Route 30 (Dutch Street Rd)

Effectiveness of mitigation planting scheme
The wildflower planting is particularly effective as it blurs the line between the landscape and the bottom of the obtrusive chain link fence. This softens the presence of the solar panel field on the landscape.
The cluster of trees feels out of place, not like a natural collection of roadside plantings but more like a designed pocket.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The dull gray panel color is in stark contrast to the powdery blue sky at the horizon. This contrast may be lessened with an overcast or darker sky. The panels and fence will stand out more against a white blanket of snow.
The barn is not a variable factor but it does provide another focal point in this view. Should the barn be removed, the panels become the sole object in the view.

Perceived effect on scenic quality/viewer enjoyment:
It appears as though no one, or very few people, will ever have this view. There are no residences in the vicinity and this is not a view that would be sought out for any particular reason. The greatest effect is that the rural farmland countryside is being converted into an industrial use, one that comes very close to the road.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Rating Panel Information:
Your Name: Steve Breitzka
Date: May 5, 2020

Viewpoint Information:

Viewpoint Number: 118
Distance to Nearest Visible Array: 119 feet
Viewpoint Location: County Route 30 (Dutch Street Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Residents
Sensitive Site: NA
Mitigation Planting Module: Modules 1 and 3

Viewpoint Sensitivity:

Scenic Quality: (*Please rate existing scenic quality)*
☒ Low ☐ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view)*
☒ Continuous (one resident) ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: (*Please describe this view in your own words.)*
Roadside view of of a farmstead. White farmhouse with a few mature trees and outbuildings to the left of the view; large barn with a green roof and an earth ramp, single silo, and low shed roof addition to the right. The surrounding land is cultivated farm field. The horizon is comprised of a similar landscape, flat with trees and open fields. The sky is a dull cold gray blue with no defined clouds but more of a thick cloud blanket.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	3	3	The existing topography is not apparent until the panels are present. Then it is accentuated and made clear in both time periods, how the land falls away.
Vegetation	1	4	The young vegetation looks like volunteer plantings scattered along the road. The mature vegetation has a strong presence, providing a dense screen.
Land Use	3	3	The panels convert the majority of the visible agricultural field to an industrial focused use.
Water	NA	NA	No water visible in this view.
Sky	4	3	The panels bring the dull gray sky color into the landscape. There is a consistent line with the 3-6 plantings, less so with the 5-7 year.
Viewer Activity	4	4	The panels are filling an open field next to the house. Even the plantings will significantly shorten the view from this house across the landscape.
TOTAL	15	17	*Total all scores above*
AVERAGE	3.0	3.4	*Average all scores above*

Viewpoint 118
County Route 30 (Dutch Street Rd)

Effectiveness of mitigation planting scheme
The mature planting provides a nearly solid buffer between the road and the panels. The visible gap adds to the natural quality of the planting layout. Assuming this is repeated but not regularly, the planting should grow in like a common roadside feature. The wildflower understory provides visual interest that detracts from the backdrop.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The matte appearance of the sky is transposed into the landscape. This may be the case regardless of sky color but it is particularly noticeable when it is the dominant color for the view.
There is a stronger contrast between the panels and the landscape when there is a blanket of snow. This contrast dissipates when the entire landscape, including plant materials, is a rich green.

Perceived effect on scenic quality/viewer enjoyment:
The greatest effect will be on the one residence visible to the left. The panels are effectively filling the area adjacent to the house, transforming this space from typical farmland to a more industrialized appearance.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Rating Panel Information:
Your Name: Steve Breitzka
Date: May 5, 2020

Viewpoint Information:

Viewpoint Number: 119
Distance to Nearest Visible Array: 165 feet
Viewpoint Location: County Route 30 (Dutch Street Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident
Sensitive Site: NA
Mitigation Planting Module: Modules 1, 3 and 4

Viewpoint Sensitivity:

Scenic Quality: (*Please rate existing scenic quality)*
☒ Low ☐ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view)*
☒ Continuous (one resident) ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: (*Please describe this view in your own words.)*
Open view of lightly snow-covered farm field. Mature deciduous trees lines the horizon, in front of the distance hillside. There is a homestead visible on the right side of the view, near the tree lined horizon , comprised of a two-story white house and long ranch style house..
An overhead utility line (only poles are visible) runs along the length of the view.
The sky is a consistent dull cold bluish gray with no discernable clouds.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	2	1	The distant hillside is visible above the panels. The field topography is more apparent with the panels draped across the landscape.
Vegetation	2	4	The 3-6 month trees in the center of the view blend in with the tree line at the horizon. The mature vegetation is bold compared to the existing open field.
Land Use	4	4	The panels convert the entire visible agricultural field into an industrial focused use.
Water	NA	NA	No water visible in this view.
Sky	4	3	The panels introduce the sky color into the landscape. This is partially screened by the young plants, significantly by the mature plants.
Viewer Activity	0	0	No visible impact to viewer activity.
TOTAL	12	12	*Total all scores above*
AVERAGE	2.4	2.4	*Average all scores above*

Viewpoint 119
County Route 30 (Dutch Street Rd)

Effectiveness of mitigation planting scheme
The planting serves as a foreground to the line of trees at the horizon, condensing the depth of the proposed panel field. The small collection of proposed trees at the center of the view adds a dominant focal point. The wildflower layering is very effective at providing a soft understory filled with texture and color.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The snow makes every element of the view stand out more. The dull sky equally provides a consistent canvas for half the view.

Perceived effect on scenic quality/viewer enjoyment:
No significant scenic features in this view. The fact that the hillside horizon remains visible, until the mitigation plant materials mature, lessens the impact on the immediate view.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 120
Distance to Nearest Visible Array: 136 feet
Viewpoint Location: County Route 30 (Dutch Street Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident
Sensitive Site: NA
Mitigation Planting Module: Module 1

Rating Panel Information:
Your Name: Steve Breitzka
Date: April 28, 2020

Viewpoint Sensitivity:
Scenic Quality: (*Please rate existing scenic quality*)
☒ Low ☐ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view*)
☒ Continuous (resident) ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: (*Please describe this view in your own words.*)
Bleak roadside landscape: overgrown drainage ditch along the road leading up to a lightly snow-covered cultivated cornfield followed by small wooded areas at the horizon. A small metal sided red barn and a few outbuildings are visible on the far left of the view. Overhead utility lines cross through the gray overcast sky.

Note: the visual simulation shifts the view slightly left to include the farm house.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	4	3	The existing condition has a lack of landform, consisting of a flat field. The panels create a dominant landform, filling the field.
Vegetation	4	2	Before the mitigation matures, the panels completely screen the existing trees in the distance. The 5-7 year plantings buffer the expansive panels.
Land Use	4	4	The panels convert the entire agricultural field to an industrial focused use.
Water	NA	NA	No water visible in this view.
Sky	3	1	The panels create a jagged dark edge in the sky that is broken up as the mitigation planting matures.
Viewer Activity	0	0	No apparent impact to activities, other than the fact that the farm field can no longer be planted.
TOTAL	15	10	*Total all scores above*
AVERAGE	3.0	2.0	*Average all scores above*

Viewpoint 120
County Route 30 (Dutch Street Rd)

Effectiveness of mitigation planting scheme
The mature leaf on mitigation is the most effective, softening the chain link fence and the panels. The pockets of plantings appear dropped on the side of the road, it is unclear if this palette matches existing plants within the context. There is a regularity to the planting scheme that feels out of place.

The wildflower planting adds texture and color to the understory, blurring the chain link fence in the landscape.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The snow makes the mitigation planting stand out more while also providing a more monochromatic tone to the view. There is a sharp difference between the leaf on and leaf off views. The leaf off is cold revealing the fence, the panels, and the support structures,. Leaf on has more warmth with the flowing grasses and flowering plants.

Perceived effect on scenic quality/viewer enjoyment:
The residence, visible in the simulation, looks directly at this field. It is unclear if there is any landscape mitigation at that side of the array. This is not a scenic view but the panels do dominate the previously open field.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 121
Distance to Nearest Visible Array: 193 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuters
Sensitive Site: State Route 408
Mitigation Planting Module: Modules 2 and 3

Rating Panel Information:
Your Name: Steve Breitzka
Date: May 5, 2020

Viewpoint Sensitivity:
Scenic Quality: (*Please rate existing scenic quality*)
☒ Low ☐ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view*)
☒ Continuous (residents) ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: (*Please describe this view in your own words.*)
Open snow-covered farm land. One two-story house is visible to the left with a detached garage and two smaller outbuildings in the front yard. There are a few mature deciduous trees near the house and a consistent line of trees forming the horizon. A level hillside is just visible in the distance over the horizon trees.

Sky is a pale blue with a few patches of brighter blue but no defined clouds.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	2	1	There is very little topography change in this landscape but this subtlety is amplified by the consistent lines of panels while also blocking distant landform.
Vegetation	2	4	The young plants add to an otherwise barren field but do little to screen the fence and panels. Once mature, the plants effectively screen the panel field and fence.
Land Use	4	4	The panels convert the entire visible agricultural field into an industrial focused use.
Water	NA	NA	No water visible in this view.
Sky	4	3	The panels bring the sky color further into the landscape. This is altered by the mature plants but still continues deep into the view.
Viewer Activity	0	0	No visible impact to viewer activity.
TOTAL	12	12	*Total all scores above*
AVERAGE	2.4	2.4	*Average all scores above*

Viewpoint 121
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme
The plant massing is not as clear with the young plants, however once mature, the groupings are effective at buffering the view from the road. The variety of plant materials also creates unique forms and colors, particularly noticeable in the 5-7 year leaf off. The wildflower understory is a nice addition to ease the transition to the chainlink fence.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The snow in the 3-6 month leaf-off view gives this entire scene a camoflaged appearance where everything blends together in cool colors. Conversely, the panels stand out more against the green grass carpet in the leaf-on views.

Perceived effect on scenic quality/viewer enjoyment:
The greatest impact will be on the house to the west. Their front yard view is shifting from open farmland to dense plantings in front of a chain link fence and solar panels. The house to the east has some buffer along the south side of the property although it appears as though this buffer distance is reduced along the east side of the property. This will have a strong impact on their view of the countryside.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Rating Panel Information:
Your Name: Steve Breitzka
Date: May 5, 2020

Viewpoint Information:
Viewpoint Number: 122
Distance to Nearest Visible Array: 125 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuters
Sensitive Site: State Route 408
Mitigation Planting Module: Modules 1 and 2

Viewpoint Sensitivity:
Scenic Quality: (*Please rate existing scenic quality*)
☒ Low ☐ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view*)
☒ Continuous (residents) ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: (*Please describe this view in your own words.*)
Wide open snow-covered farm field. A house is nestled among mature deciduous and coniferous trees in the distant left. The horizon is comprised of mature stands of deciduous trees with one break that allows a view to a distant hillside.
The sky is a consistent blue gray, dominating the view.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	1	0	The panels exhibit and follow the flat nature of this field. The top edge of the panels is just below the horizon, limiting their impact on any visible landform.
Vegetation	3	4	The scattered plants add variety to the open roadside. As they mature, the plants provide a consistent buffer between the road and the panels.
Land Use	4	4	The panels convert the entire visible agricultural field into an industrial focused use.
Water	NA	NA	No water visible in this view.
Sky	3	1	The sky is a strong feature in this view. The panels bring it further into the landscape, buffered some by the young plants and significantly by the mature.
Viewer Activity	0	0	While the development will not limit activity, it should be noted that this will basically be the front yard for the two residences on the west side of the road.
TOTAL	11	9	*Total all scores above*
AVERAGE	2.2	1.8	*Average all scores above*

Viewpoint 122
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme
There is a feeling that this planting will serve as continuation of the tree line running east/west just south of the viewpoint. The clustering, spacing, and variety of plants looks suitable for the context, even though there are no existing plants in this location. The thick wildflower and grass understory is successful at layering the buffer outward to the road and not relying on vertical plant materials.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The sky is the most significant element in this view. The color and total lack of texture is accentuated by the addtion of the panels. The snow adds to this blending of the sky and the landscape while the lush green grass provides more contrast. However, there a softness to the leaf-on landscape as well.

Perceived effect on scenic quality/viewer enjoyment:
The greatest impact will be on the two houses to the west. Their front yard view is shifting from open farmland to dense plantings in front of a chain link fence and solar panels. While the view to the east may not be postcard worthy, it is significantly different when the panels are introduced. Not only is there something in the way now, but the view is foreshortened considerably by the dense planting wall.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Rating Panel Information:
Your Name: Steve Breitzka
Date: April 28, 2020

Viewpoint Information:
Viewpoint Number: 123
Distance to Nearest Visible Array: 121 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuters
Sensitive Site: State Route 408
Mitigation Planting Module: Module 1

Viewpoint Sensitivity:
Scenic Quality: (*Please rate existing scenic quality*)
☒ Low ☐ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view*)
☒ Continuous (residents) ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: (*Please describe this view in your own words.*)
Snow-covered flat open field bordered by an asphalt road and lines of trees at the horizon. There is a shallow drainage ditch adjacent to the road and shoulder. The road and a yellow deer crossing sign are the only visible signs of any impact on the landscape.
The sky is a dull blue-gray lacking definable clouds .

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	4	4	The panels create a landform, filling the otherwise flat field. The landscape buffer is planted on a flat area between the proposed chain link fence and road edge.
Vegetation	4	3	There is significant clearing of the tree line at the horizon, exposing a utility line tower. The 5-7 year planting adds some material back into the view.
Land Use	0	0	The land use is changing although it is unclear if this land is used for anything.
Water	NA	NA	No water visible in this view.
Sky	4	2	The dull sky color is brought further into the landscape by the angled panels. Mature plant materials break this up.
Viewer Activity	0	0	No apparent impact to activities.
TOTAL	12	9	*Total all scores above*
AVERAGE	2.4	1.8	*Average all scores above*

Viewpoint 123
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme
The 5-7 year leaf-on is effective at intermittently screening the panels, however, the planting has a modular and rhythmic appearance. The wildflower groundcover adds visual interest but the woody plant materials, beyond the service drive, appear clustered. This is unlike the mass of trees seen in the existing condition.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The leaf-off views have a monochromatic appearance, causing everything to blend. The panels are more stark in the leaf-on views although they do have a camoflage look against the steely blue sky. The panels may stand out even more against a rich and dark blue sky.

Perceived effect on scenic quality/viewer enjoyment:
This is not a prominent viewpoint. The proposed development is very close to the road and adds a new industrial element to the countryside. This is not a view someone would seek out for a particular focal point.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Rating Panel Information:
Your Name: Steve Breitzka
Date: April 28, 2020

Viewpoint Information:

Viewpoint Number: 124
Distance to Nearest Visible Array: 202 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuters
Sensitive Site: State Route 408
Mitigation Planting Module: Module 3

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☒ Low ☐ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☒ Continuous (one resident) ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: *(Please describe this view in your own words.)*
A bleak and barren view across a frozen snow-covered landscape. The flat field appears to be a farm field, stretching into the distance and bordered by a dense woodland.
A collection of ofoverhead utility lines cross the top of the view, forcing the perspective and focus to the left.
This landscape appears to go on well into the distance.
Other than the road and the utility lines there is very little evidence of any kind of development here.

Contrast Rating:

(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	2	0	The rhythm the panels create is like a landform, one diminished by mature planting. The panels are lost within the existing tree line in the distance.
Vegetation	2	4	The panels fit within the line created by the existing trees in the distance. The mitigation planting becomes the dominant vegetation feature as it matures.
Land Use	0	0	It is unclear what this field is used for in the existing condition.
Water	NA	NA	No water visible in this view.
Sky	0	0	The panels, angled away in this view, fit so well within the existing tree line that they disappear. There is not extension above the trees to impede on the sky.
Viewer Activity	0	0	No apparent impact to any activity here.
TOTAL	4	4	*Total all scores above*
AVERAGE	0.8	0.8	*Average all scores above*

Viewpoint 124
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme
The mitigation planting, while effective in the 5-7 year view, appears offset from the chain link fence. It is unclear if this is truly the case and why it would be necessary. The plant massing and spacing is in character with a natural roadside planting. The wildflower understory adds a colorful layering to the view.
It appears that this planting module only extends along the fenceline in front of the resident to the east. In order to be completely effective, there should be some continued context of this palette so the design landscape does not feel out of place.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The blanket of snow makes everything stand out more while the leaf-on season has a softness and warmth that brings everything together. Even the leaf-off 5-7 year view provides significant screening given all of the conifers planted.
Shadows on a bright sunny day may make the panels pop more in the landscape although the planted buffer blocks the majority of the view inside the fence.

Perceived effect on scenic quality/viewer enjoyment:
The greatest effect will be on the two adjacent residents: one to the north and one to the east. The one to the north will have this array in their backyard while the the one to the east will have it in their front yard across the road. The mitigation planting should extend and feather into the landscape rather than be an isolated cluster that screens one particular vantage point.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Rating Panel Information:
Your Name: Steve Breitzka
Date: April 28, 2020

Viewpoint Information:

Viewpoint Number: 128
Distance to Nearest Visible Array: 4.9 miles
Viewpoint Location: Ireland Road
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Resident
Sensitive Site: NA
Mitigation Planting Module: None Visible at this distance

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☒ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☒ Continuous (residents) ☐ Repeated/Regular
☐ Occasional/Brief ☒ Rare

Viewer Description: *(Please describe this view in your own words.)*
Undulating cultivated farm fields disappearing into dense stands of deciduous trees. An asphalt road is visible in the foreground, as well as in the middle of the view, draped over the rolling hills like a gray ribbon.
Overhead utility lines and poles are scattered throughout; two wires cross overhead.
The distant horizon has unique form with gentle and more extreme elevation changes.
A residential mailbox is front and center in the view.

Contrast Rating:

(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	1	NA	While visible, the distant panels fit within the rolling hills and do not affect the topography.
Vegetation	2	NA	The panels fill in what appears like a large meadow or open space on the distant hillside, center focus in this view.
Land Use	0	NA	No apparent impact to land uses.
Water	NA	NA	No water visible in this view.
Sky	0	NA	No contrast with the sky, panels are too far away.
Viewer Activity	0	NA	Panels are almost imperceptible in the distance.
TOTAL	3	NA	*Total all scores above*
AVERAGE	0.6	NA	*Average all scores above*

Viewpoint 128
Ireland Road

Effectiveness of mitigation planting scheme
No mitigation shown.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
Nothing is going to influence the panels given their distance. Even if the landscape is covered by a blanket of fresh snow, there are enough trees surrounding the view to obscure the panels.

Perceived effect on scenic quality/viewer enjoyment:
Aside from filling in an open space on the hillside, the panels are almost unnoticeable. They do add another utility aspect to the view like the overhead lines although they are so far away this should not have a significant effect.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 11
Distance to Nearest Visible Array: 4.1 miles
Viewpoint Location: Latimer Rd, Town of Groveland, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents
Sensitive Site: NA
Mitigation Planting Module: None Visible at this distance

Rating Panel Information:

Your Name: Andy Britton
Date: April 24, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☒ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*
The roadway in the foreground does distract slightly from the rustic / industrial panoramic view available in the distance. The view is a typical agricultural expanse of field with a wooded hedgerow mid view. The background view in the distance becomes more dull and homogeneous due to haze and sheer distance. Even with the agricultural / industrial buildings in the distance the overall view is very appealing.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	1	1	Due to distance the view will only be affected by the reflectiveness of panels.
Vegetation	1.5	1.5	The array won't blend in with vegetation.
Land Use	1.5	1.5	The array will fill in the field areas of in the distance.
Water	NA	NA	
Sky	1	1	The array will only affect the sky if they reflect the sun.
Viewer Activity	1.5	1.5	They will catch the eye of the viewer, but not in a hash manner.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 11
Latimer Rd

Effectiveness of mitigation planting scheme
NA

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The distance causes the view to become hazy thus reducing any effects.

Perceived effect on scenic quality/viewer enjoyment:
The change from lighter fields of crops to darker fields of panels is not likely to have a huge effect on the viewer.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 13
Distance to Nearest Visible Array: 3.1 miles
Viewpoint Location: State Route 63 (Groverland Station Road), Town of Groveland, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident, Through Travelers/Commuter
Sensitive Site: State Route 63
Mitigation Planting Module:: None visible at this distance

Rating Panel Information:

Your Name: Andy Britton
Date: April 24, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☒ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*
The view is mostly a high quality pastoral view other than the glimpse of the highway peeking through the trees and the utility pole in the field. The balance of blue sky and green field / woods is strong in this view and the background hillside view appears homogeneous a bit more dull due to distance and haze.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	0	0	No perceivable effect.
Vegetation	.5	.5	Very little perceivable effect.
Land Use	.5	.5	Very little perceivable effect.
Water	NA	NA	
Sky	0	0	No perceivable effect.
Viewer Activity	.5	.5	Very little perceivable effect.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 13
State Route 63 (Groverland Station Road)

Effectiveness of mitigation planting scheme
NA

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
Distance from project site make it the difference almost impossible to see.

Perceived effect on scenic quality/viewer enjoyment:
The viewer will experience little to no effect.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 78
Distance to Nearest Visible Array: 0.2 mile
Viewpoint Location: County Route 3 (Barron Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident, Through Travelers/Commuter
Sensitive Site: NA
Mitigation Planting Module: No module proposed at this viewpoint

Rating Panel Information:

Your Name: Andy Britton
Date: April 24, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☐ Repeated/Regular
☒ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*

The view to and expansive agricultural field has a sense of continuity and calm with a perfect edge created by the hedgerow in the mid-view. From the hedgerow upward, the overcast sky causes the viewer to feel dwarfed in the landscape. Overall this view is enjoyable even if it has a bit of a melancholy coloring.

Contrast Rating:

(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	1.5	1.5	The array blends in the horizon, but adds a sharp edge.
Vegetation	4	4	The majority of the background horizon vegetation is covered up.
Land Use	3	3	The array is an obvious change of use.
Water	NA	NA	
Sky	1.5	1.5	The sky will not be blocked, but will cause a distraction.
Viewer Activity	4	4	The array will have a negative impact on the viewers experience.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 78

County Route 3 (Barron Rd)

Effectiveness of mitigation planting scheme

NA

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

The lack of corn in the field makes the view to the array very clear. During the growing season this would not be as negative of an impact.

Perceived effect on scenic quality/viewer enjoyment:

This array will have a significant negative impact on the viewers enjoyment as it appears that high tech structures were thrown into a corn field.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 80
Distance to Nearest Visible Array: 0.1 mile
Viewpoint Location: County Route 3 (Barron Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident, Through Travelers/Commuter
Sensitive Site: NA
Mitigation Planting Module: Module 1

Rating Panel Information:

Your Name: Andy Britton
Date: April 24, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☒ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☐ Repeated/Regular
☒ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*

The layers of color and textures in this view make it interesting even though the sky is a bit gloomy. This typical agricultural field scenario with a wooded background represents much of the local landscape. The lack of any structures in the view can cause the viewer to experience calm. One is almost looking to find a white tail deer or turkey somewhere within the view area.

Contrast Rating:

(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	2	2	The scale works and allows the array to blend between the horizon.
Vegetation	3.5	3	The vegetation is greatly impacted and mitigation is not sufficient.
Land Use	3.5	3.5	This is a big change from the existing use and it is obvious.
Water	NA	NA	
Sky	.5	.5	The mitigation does not help by the sky is not impacted greatly.
Viewer Activity	3.5	3.5	There will be a large negative impact on the viewer experience.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 80

County Route 3 (Barron Rd)

Effectiveness of mitigation planting scheme

The mitigation efforts are not effective as the array is almost completely still visible and a stark change from the existing use and view.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

The dreary day might actually make the impact less stark than it will be in reality.

Perceived effect on scenic quality/viewer enjoyment:

The view is going to be greatly impacted and the mitigation will be far from effective in improving the perception.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 93
Distance to Nearest Visible Array: 0.2 mile
Viewpoint Location: Creek Road, Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Resident
Sensitive Site: NA
Mitigation Planting Module: To be determined

Rating Panel Information:

Your Name: Andy Britton
Date: April 24, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☐ Moderate ☒ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*
The agricultural vista presented in this view is typical of the region. Only the large electrical transmission towers interrupt what is a fairly calm "country view". The primary break in the field patterning comes from a wooded outcropping that seems to be 'sneaking across the field'. The background offers a view to higher wooded hills that seem to be holding up a vast expase of open sky.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	4	4	The installation will completely change the landform in this field to an industrial aesthetic.
Vegetation	3	3	The installation blocks a significant view to the woods, but not the view to the background hills.
Land Use	2	2	The installation will take a large portion of the field away, but crops can still be planted around the perimeter.
Water	NA	NA	
Sky	1	1	The installation will not greatly affect the view to the sky, but causes some distraction.
Viewer Activity	3.5	3.5	The installation will completely distract the viewer from the beauty byond.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 93
Creek Road

Effectiveness of mitigation planting scheme

NA

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

The lack of leaf out or crops in the field surrounding the installation make the image more stark that it may be in the future.

Perceived effect on scenic quality/viewer enjoyment:

The installation will have a significant impact on the viewers experience and enjoyment of the view. A mitigation practice needs to be put into place so that the viewers focus is drawn over the installation rather than directly to it.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 97
Distance to Nearest Visible Array: 0.1 mile
Viewpoint Location: Frost Road, Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Residents
Sensitive Site: NA
Mitigation Planting Module: Modules 1 and 2

Rating Panel Information:

Your Name: Andy Britton
Date: April 24, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*
The roadway in the foreground does distract from the rustic panoramic view available in the distance. The view of a relatively flat open agricultural field disappears at a fairly open tree line. The expansive vista in the background shows a quilt work style mix of wooded areas and agricultural fields intermixed.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	3	2.5	The array and mitigation interrupts the view to much of the landform in the background.
Vegetation	2.5	1.5	The existing vegetation will be blocked and the mitigation will help screen to a certain extent.
Land Use	2.5	2.5	The loss of the agricultural field will change the experience as an expanse will be cut short.
Water	NA	NA	
Sky	1	2	The view of the sky is actually more hindered as the mitigation grows.
Viewer Activity	4	3.5	The array and mitigation will take this location from a nice viewing point of the hills in the background to a walled edge.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 97
Frost Road

Effectiveness of mitigation planting scheme

The mitigation practices will help in the long run to screen the array, but the view to the hills in the distance will be negatively impacted.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

The photo location shows such a large expanse of the roadway that it is very distracting from the overall view.

Perceived effect on scenic quality/viewer enjoyment:

A viewer that knows the area will be disappointed that such a large expansive and serene view is being taken away. The mitigation in the first few years will do little to help allay the concerns, but eventually the mitigation should help screen the array. Unfortunately the mitigation will eventually screen even more of the view to the distance hills that remain after the initial array installation.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Rating Panel Information:
Your Name: Andy Britton
Date: April 30, 2020

Viewpoint Information:
Viewpoint Number: 99
Distance to Nearest Visible Array: 129 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuter
Sensitive Site: State Route 408
Mitigation Planting Module: Modules 1 and 3

Viewpoint Sensitivity:
Scenic Quality: (*Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: (*Please describe this view in your own words.)*
This view presents a very large agricultural crop field with a wooded edge. The residential property is peeking out through the vegetation but stays hidden for the most part. There far background offers a glimpse to higher topography before disappearing into the horizon.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	3.5	3.5	The landform in the distance will be completely screened and lost going forward regardless of the mitigation.
Vegetation	3	1	Initally the installation will cover all vegetation in the distance, but eventually the new plantings will be fairly effective and add a new aesthetic closer to the viewer.
Land Use	2	1	The obvious change of the land use from crop field to solar array will have an effect, but in the end the area will still be used for an expanse of vertical structures.
Water	NA	NA	
Sky	1.5	1	The primary issue is that the angle of the panels will cause reflection of the sun, but it does not significantly reduce the view to the sky.
Viewer Activity	2	1	The viewer activity will be influenced by the initial change but will decrease over time as the plantings establish.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 99
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme
The plantings will screen about 50-75% of the solar array, but they will also cover the entire background horizon . Over time the vegetation should establish a new aesthetic that blends with many of the surrounding areas of vegetation.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The winter scene influences the view as it looks stark in the existing photos and more lush and full in the mitigation images.

Perceived effect on scenic quality/viewer enjoyment:
The initial effect of the array will negatively impact the views to the horizon and background elements, but the reality is that the scale of these other elements is quite small in comparison so the new installation will not be considered a major downgrade on the view (especially once the mitigation plantings take hold).

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Rating Panel Information:
Your Name: Andy Britton
Date: April 24, 2020

Viewpoint Information:
Viewpoint Number: 103
Distance to Nearest Visible Array: 98 feet
Viewpoint Location: County Route 30 (Dutch Street Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Residents
Sensitive Site: NA
Mitigation Planting Module: Module 1

Viewpoint Sensitivity:
Scenic Quality: (*Please rate existing scenic quality)*
☐ Low ☐ Moderate ☒ High

Viewer Exposure: (*Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: (*Please describe this view in your own words.)*
The view is a picturesque representation of "the country life" with a quaint barn standing atop the highpoint overlooking a large crop field. Though the view does not have significant vertical elements in the foreground, the vastness of this view is appealing and offers more beauty on the horizon.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	4	4	The array and mitigation completely interrupts the view to the landform in the background.
Vegetation	4	3	The loss of a the crop field and view to the forested areas will be lost and the mitigation will help a little.
Land Use	3.5	3.5	The land use will completely change and the only semblance to agriculture will be the barn.
Water	NA	NA	
Sky	2.5	2	A stark edge is created with the horizon. The mitigation will soften it a bit over time.
Viewer Activity	4	3.5	The array and mitigation completely change the experience of a scenic vista to a wall of panels.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 103
County Route 30 (Dutch Street Rd)

Effectiveness of mitigation planting scheme
The mitigation will help a bit with the impacts, but there is a definite deficiency in the quantity of screening plantings. The wildflowers mix will be very attractive during the leaf out, but during the winter this will be a very cold view.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The brightness of the day makes the array appear very harsh and unfriendly in comparison.

Perceived effect on scenic quality/viewer enjoyment:
This array will have a very negative effect on the viewer as a vast scenic view is lost. The mitigation needs to be beefed up in order to make up for the loss. The use of a mix of trees, shrubs and perennials is the right style to go with the quaint barn in the view, but there needs to be more screening of the fencing and array.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 118
Distance to Nearest Visible Array: 119 feet
Viewpoint Location: County Route 30 (Dutch Street Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Residents
Sensitive Site: NA
Mitigation Planting Module: Modules 1 and 3

Rating Panel Information:

Your Name: Andy Britton
Date: April 30, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☐ Repeated/Regular
☒ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*

This view has many textures and is somewhat chaotic due to the residential lot and varying wood lines. When this crop field is in full bloom the view is likely quite enjoyable as the aged barn and silo and country home frame the image. The large wooded lot in the mid ground and the rolling hills along almost the entire length of the horizon in the background offer further interest.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	2	1	Overall the landform is not significantly altered, but eventually the mitigation will screen some of the interesting horizon landform.
Vegetation	2	1	The vegetation in the existing view is more massing than individual plantings so the installation of the mitigation will allow for interaction up close that is lacking in the existing condition.
Land Use	2	1	The land use will be affected but is sits low enough in the topography to not have a strong influence.
Water	NA	NA	
Sky	1.5	1	The sky is not hindered greatly by the array except for the glare form the sun that will be caused. As the mitigation grows, less glare should be visible.
Viewer Activity	2	2	This is a picturesque existing view. regardless of the mitigation, if the large expanse of panels are visible next to the barn, the view will suffer.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 118
County Route 30 (Dutch Street Rd)

Effectiveness of mitigation planting scheme

The mitigation may do a decent job screening along the roadway, but it does not provide enough screening for this view. The array setting next to the quaint barn is an uncomfortable contrast that needs to be further mitigated.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

Seeing the lush green in the future mitigation views versus the stark cold existing conditions view factors into the ratings.

Perceived effect on scenic quality/viewer enjoyment:

The scale feels good to the viewer, but the open view to the array next to the barn is a difficult hurdle to overcome.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 119
Distance to Nearest Visible Array: 165 feet
Viewpoint Location: County Route 30 (Dutch Street Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident
Sensitive Site: NA
Mitigation Planting Module: Modules 1, 3 and 4

Rating Panel Information:

Your Name: Andy Britton
Date: April 30, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☒ Repeated/Regular
☐ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*

This view offers a large agricultural crop field with a wooded hedgerow edge in the mid ground. The strongest portion of this view is the horizon where rolling hills run from one edge of the view to the other. The location of a utility bollard, residential home in the backdrop and several utility poles across the spectrum certainly detract from this view.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	1.5	2.5	Over time the screening of the background landform will be considered a loss.
Vegetation	2	2	The mass of forests and field 'fabric' in the background will be screened and will not be helped by the mitigation.
Land Use	2	1	The mitigation will eventually cover much of the array, but the expanse of a field or a solar array at this flat plane are not significantly different.
Water	NA	NA	
Sky	2	1.5	The glare for the panels will have the greatest effect and be reduced as the mitigation grows.
Viewer Activity	2	2	With or without the mitigation the loss of this wonderful view to the horizon is a loss no matter how you count it.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 119
County Route 30 (Dutch Street Rd)

Effectiveness of mitigation planting scheme

The mitigation planting should screen much of the array in the future, but it will also screen the view into the distant horizon, which is the strength of this view to begin with.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

The winter scene affects the ratings as the existing scene is bleak compared to the final mitigation views.

Perceived effect on scenic quality/viewer enjoyment:

The mitigation after 5-7 years does a good job of screening the array, but the loss of the view to the background is a significant loss for viewers.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 120
Distance to Nearest Visible Array: 136 feet
Viewpoint Location: County Route 30 (Dutch Street Rd), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Valley
Viewer Type: Local Resident
Sensitive Site: NA
Mitigation Planting Module: Module 1

Rating Panel Information:
Your Name: Andy Britton
Date: April 20, 2020

Viewpoint Sensitivity:
Scenic Quality: (*Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view)*
☐ Continuous ☐ Repeated/Regular
☒ Occasional/Brief ☐ Rare

Viewer Description: (*Please describe this view in your own words.)*
This view offers a typical agricultural field with a hedgerow in the background acting as a backdrop. The view is relatively flat and mostly nondescript. The large expanse of sky seems to dwarf the landscape and is only interrupted by the utility lines crossing the corner of the image.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	1.5	1	The initial impact on the landform is only changed by the array, but the plantings decrease the impact over time.
Vegetation	2.5	1.5	The starkness of the panels creates a cold feel that is barely touched by the small plantings, but over time the area will become more wooded and reduce the impacts.
Land Use	3	1.5	The initial response is that the land use has changed dramatically, but as the plantings grow the impacts will be much more subtle.
Water	NA	NA	
Sky	.5	1	The sky is not really impacted by the new installation, but over time the plantings will hinder the longevity of sunset viewing.
Viewer Activity	2.5	1.5	The initial impacts with influence the enjoyment for the viewer substantially, but over time the plantings will create a new and enjoyable aesthetic.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 120
County Route 30 (Dutch Street Rd)

Effectiveness of mitigation planting scheme
The mitigation will be woefully inconsequential in the first year, but over time the impacts will be reduced. There are still too many openings to see the array and additional plantings should be installed, but the use of a wildflower meadow is an excellent choice.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The winter season definitely influences the rating as it looks dreary , cold and barren. If the simulation was done in the summer it may have had a greater negative impact.

Perceived effect on scenic quality/viewer enjoyment:
The initial effects will be negative by taking away a natural view and replacing it with an industrial look, but over time as the plantings grow in the impacts should reduce greatly and allow the viewer to appreciate the new view. More plantings should be added though to further improve the space.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 121
Distance to Nearest Visible Array: 193 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuters
Sensitive Site: State Route 408
Mitigation Planting Module: Modules 2 and 3

Rating Panel Information:
Your Name: Andy Britton
Date: April 30, 2020

Viewpoint Sensitivity:
Scenic Quality: (*Please rate existing scenic quality)*
☒ Low ☐ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view)*
☐ Continuous ☐ Repeated/Regular
☒ Occasional/Brief ☐ Rare

Viewer Description: (*Please describe this view in your own words.)*
This view has many of the similar qualities in and around most agricultural crop fields (open expanse, wooded backdrop, rolling hills in the background), but it is not of high quality. The huge expanse of sky causes everything on the ground to be dwarfed. The inclusion of the residential lot with scattered equipment, clear views to the side of the house and the unmatched garage are very distracting in this view.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	3	3	The array will block the view to the horizon landform which is a negative with or without the mitigation.
Vegetation	3	1.5	The array will block a majority of the vegetation ion the background, but as the plantings grow in they will soften the view again.
Land Use	3	2	The land use will change and the mitigation will not be enough to make a significant change on the loss of an expansive crop field.
Water	NA	NA	
Sky	2	1.5	The sky is mostly impacted by the glare and as the mitigation grows the glare should be reduced.
Viewer Activity	3	2.5	The interest to the viewer is going to be diminished regardless of the mitigation.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 121
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme
Overall the mitigation does not screen the array enough. The glare from the sun , the open views to the array and the large driveway will continue to reduce the satisfaction. for the viewer.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The dreary winter scene effects the existing versus the final mitigation ratings, by making the existing seem more bleak than the "future".

Perceived effect on scenic quality/viewer enjoyment:
Since the existing scene is not very high quality to begin with, the final mitigation should offer a different view for the viewer, but not necessarily an improvement.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 122
Distance to Nearest Visible Array: 125 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuters
Sensitive Site: State Route 408
Mitigation Planting Module: Modules 1 and 2

Rating Panel Information:

Your Name: Andy Britton
Date: April 30, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☐ Repeated/Regular
☒ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*
This view presents a very large agricultural crop field with a wooded edge. The residential property is peeking out through the vegetation but stays hidden for the most part. There far background offers a glimpse to higher topography before disappearing into the horizon.

Contrast Rating:

(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	3.5	2.5	The landform in the distance will be completely screened and lost going forward regardless of the mitigation.
Vegetation	3	1	Initally the installation will cover all vegetation in the distance, but eventually the new plantings will be fairly effective and add a new aesthetic closer to the viewer.
Land Use	2	1	The obvious change of the land use from crop field to solar array will have an effect, but in the end the area will still be used for an expanse of vertical structures.
Water	NA	NA	
Sky	1.5	2	The primary issue is that the angle of the panels will cause reflection of the sun. The additional plantings actual block more of the sky over time.
Viewer Activity	2	1	The viewer activity will be influenced by the initial change but will decrease over time as the plantings establish.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 122
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme

The mitigation practices will reduce the negative effects of the installation by screening the array. The early years will not help but over time it will soften the aesthetic. The addition of more plantings would further enhance the area.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

The dreary winter scene makes the existing conditions seem bleak while the mitigation images add the green vegetation which influence the rating.

Perceived effect on scenic quality/viewer enjoyment:

The loss of the background view will a detrimental but the viewer should feel more connected to the immediate landscape by the proximity to larger plantings.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 123
Distance to Nearest Visible Array: 121 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuters
Sensitive Site: State Route 408
Mitigation Planting Module: Module 1

Rating Panel Information:

Your Name:Andy Britton
Date: April 30, 2020

Viewpoint Sensitivity:

Scenic Quality: *(Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: *(Please rate frequency and duration of view)*
☐ Continuous ☐ Repeated/Regular
☑ Occasional/Brief ☐ Rare

Viewer Description: *(Please describe this view in your own words.)*
This view also offers a view to an agricultural landscape with the crop field in the foreground and a hedgerow in the middle, but it also has some small breaks in the tree line that allow the viewer to see some of the higher hills in the background. The view itself does not have a great level of interest in the Winter but most likely offers a bit more interest in the Spring and Summer.

Contrast Rating:

(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	1.5	1.5	The initial installation won't have a major impact on the landform in the foreground but it will mask the more interesting hills in the background.
Vegetation	2	1.5	The initial installation of the array will take out trees in the background making the sky more expansive, but as the plantings grow, they will help soften some of the effects of the array.
Land Use	3	2	The land use will change dramatically and the plantings will help soften some of the effects, but don't contribute much to an improvement in land use.
Water	NA	NA	
Sky	2.5	2	The sky may appear more expansive, but since this array is fixed and facing the viewer it is likely to distract from the sky on sunny days.
Viewer Activity	2.5	2	Overall this array will not blend into the landscape and therefore the effects on the viewer will be negative in general. If the meadow and the plantings grow in well, the impacts should reduce slightly.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 123
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme

In the early period the mitigation will not provide any screening of consequence and will be dwarfed by the panels. Over time as the plantings grow, the impacts should be positive. In general there should be consideration to adding even more plantings since the array will still be highly visible (especially in the leaf off months.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):

The snow and leaf off image definitely impacts the rating. It also would seem that if the sun is out the panels would casue more sun glare than the images show.

Perceived effect on scenic quality/viewer enjoyment:

The viewer will not enjoy this new view as much as the origianl, but the addition of plantings may temper the effects over time. Additionally the use of the wildflower meadow is a great way to pull the viewers focus downward toward the beautiful flowers.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 124
Distance to Nearest Visible Array: 202 feet
Viewpoint Location: State Route 408 (Mount Morris Nunda Rd.), Town of Mount Morris, Livingston County
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Residents, Through Travelers/Commuters
Sensitive Site: State Route 408
Mitigation Planting Module: Module 3

Rating Panel Information:
Your Name: Andy Britton
Date: April 30, 2020

Viewpoint Sensitivity:
Scenic Quality: (*Please rate existing scenic quality)*
☐ Low ☒ Moderate ☐ High

Viewer Exposure: (*Please rate frequency and duration of view)*
☐ Continuous ☐ Repeated/Regular
☒ Occasional/Brief ☐ Rare

Viewer Description: (*Please describe this view in your own words.)*
This view offers a very large expanse of agricultural field in the foreground with a dense backdrop in the mid area created by a densely wooded area of land. There is a glimpse of some interesting views of a rolling hill off in the distance. The topography is relatively flat and dull but the scale of the field is what makes the view most interesting for the viewer.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	1	1	The existing landform is relatively flat except for the hills on the right side. The installation will not dramatically change the landform.
Vegetation	2	.5	The array will block the view to the background vegetation and the initial plantings won't help much, but eventually the plantings will grow in to mimic a forested lot.
Land Use	2.5	1	The initial change in land use from an agricultural field to a solar array will be a significant downgrade but as the plantings grow the effects will be 'transformed' into another rural and fitting land use.
Water	NA	NA	
Sky	0	.5	The intial installation and mitigation will not have an effect on the sky, but over time as the plantings grow they will tend to decrease the viewing time of the sunsets.
Viewer Activity	2.5	.5	The viewer will initially feel as though they are 'trapped' in by the array by losing the large expanse; however, over time this feeling should change to comfort as the mitigation matures.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 124
State Route 408 (Mount Morris Nunda Rd.)

Effectiveness of mitigation planting scheme
The early mitigation effects will be small but over time should substantially alleviate the concerning visual access to the solar array.

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
The photos being taken in the winter with snow on the ground greatly influences the rating. It accentuates the the positives of the long term mitigation as the existing conditions seem cold and dreary.

Perceived effect on scenic quality/viewer enjoyment:
Without a doubt the mitigation practices shown on this site should have a very positive effect on the scenic quality in short range viewing. The loss of the large scenic vista will be lost, but the mitigation actually brings a sense of intimacy with the landscape that the existing condition does not provide.

Visual Impact Rating Form

Morris Ridge Solar

Towns of Mount Morris & Groveland, Livingston County, New York
EDR Project No: 18155

Viewpoint Information:

Viewpoint Number: 128
Distance to Nearest Visible Array: 4.9 miles
Viewpoint Location: Ireland Road
Landscape Similarity Zone: Rural Upland
Viewer Type: Local Resident
Sensitive Site: NA
Mitigation Planting Module: None Visible at this distance

Rating Panel Information:
Your Name: Andy Britton
Date: April 24, 2020

Viewpoint Sensitivity:
Scenic Quality: (*Please rate existing scenic quality)*
☐ Low ☐ Moderate ☒ High

Viewer Exposure: (*Please rate frequency and duration of view)*
☐ Continuous ☐ Repeated/Regular
☒ Occasional/Brief ☐ Rare

Viewer Description: (*Please describe this view in your own words.)*
The roadway in the foreground does not distract from the rustic panoramic rolling hills in this view. The wide open crop fields with woodlands mixing in throughout is less stimulating than it probably is during the growing season, but it still offers a calming interest. Additionally, the highlands in the background are intriguing, but the haze and distance makes them appear as a homogeneous monolith. The sky is extraordinarily expansive in this view.

Contrast Rating:
(Please rate the level of contrast between the existing view, 3-6 month post install and 5-7 year post install.)

Contrast Rating Score Chart

Insignificant		Minimal		Moderate		Appreciable		Strong
0	.5	1	1.5	2	2.5	3	3.5	4

Component	Score		Description of Contrast
	3-6 month	5-7 year	
Landform	0	0	Change is not perceivable.
Vegetation	.5	.5	The change is minor at best.
Land Use	0	0	Change is not perceivable.
Water	NA	NA	
Sky	0	0	Change is not perceivable.
Viewer Activity	0	0	Change is not perceivable.
TOTAL			*Total all scores above*
AVERAGE			*Average all scores above*

Viewpoint 128
Ireland Road

Effectiveness of mitigation planting scheme
NA

Variable factors that may have influenced rating (atmospheric conditions, season, etc.):
Distance from project site make it the difference almost impossible to see.

Perceived effect on scenic quality/viewer enjoyment:
The viewer will experience little to no effect.

NICOLE REDDINGTON p. 631-813-9114

3577 Monroe Avenue • Pittsford, NY 14534 • nhrdesign@yahoo.com

Licensure Obtained 2003

EXPERIENCE

PAINTED LEAF LANDSCAPE DESIGN *Owner*

April 2014 - Present

Create landscape designs for residential clients with the main goal of defining and enhancing the distinctive character of each property while fulfilling the clients needs and objectives within their budget. Work with Clover Nursery to provide project installations and manage the project through construction. Created and maintain company website and social media marketing.

GOLDBERG AND RODLER *Landscape Designer*

September 2008 – April 2014

Managed residential landscape design projects from budget through construction for one of Long Islands premier landscape design-build firms. Maintained positive client relations through excellent communication skills and prompt followups. Prepared job proposals and budgets. Employed quality control in the field during construction. Contributed to company marketing design.

ARAIYS DESIGN *Freelance Landscape Architect*

July 2004 – September 2008

Provided freelance landscape architectural services to a leading design firm on Long Island's East End. Involved in variety of projects from site analysis through design and construction.

MATHEWS NIELSEN L. A. *Landscape Architect*

May 2004 – May 2008

Worked in a variety of scales and interdisciplinary projects throughout New York City including Hudson River Park, Columbia University, private roof gardens and courtyards. Generated initial design concepts, construction documents and bid packages.

CENTRAL PARK CONSERVANCY *Landscape Designer*

June 2000 – May 2004

Contributed to major renovation projects within the Park, with budgets exceeding $500,000. Redesigned historic playgrounds to meet safety standards, designed plantings around the Park's historic bridges and the 59th St. Pond renovation. All projects included Community Board presentations to the 5 boards surrounding the park, bid package development, and construction administration.

EDUCATION

SUNY COLLEGE OF ENVIRONMENTAL SCIENCE & FORESTRY

Master of Landscape Architecture, May 1998

Bachelor of Science in Land Use Planning, May 1995

AWARDS

Long Island Nursery and Landscape Association: 2014 Gold Award for Residential Landscape Design, while at Goldberg & Rodler.

National Association of Landscape Professionals: 2014 Grand Award for Residential Landscape Design, while at Goldberg & Rodler.

American Society of Landscape Architects: 1998 Certificate of Excellence in the Study of Landscape Architecture

Designed rooftop garden that was featured in Signe Nielsen's book: 'Sky Gardens'

Steven M. Breitzka, RLA, LEED™ AP
Senior Managing Landscape Architect

Steve is a Senior Managing Landscape Architect of EDR. He has more than 21 years of professional experience in landscape architecture. He is a New York State Registered Landscape Architect. Currently, he is a member of The American Society of Landscape Architects, U.S. Green Building Council, and The Town & Village of Tully Planning Board.

As a Senior Managing Landscape Architect at EDR, Steve's responsibilities include directing as in-house leader of concept design, preliminary design, design development, construction documentation, bidding and construction administration phases; providing technical guidance to production team, performs research with government agencies and material suppliers as required; coordinates in-house production activities with those of the prime consultant, project sub-consultants to EDR and other EDR disciplines.

education

Bachelor of Science, Landscape Architecture, Cornell University, College of Agriculture and Life Sciences, 1998

registration / certification

Registered Landscape Architect: NY# 002507

Certification: LEED™AP – Leadership in Energy & Environmental Design, Associate Professional, U.S. Green Building Council

professional affiliations

Member, American Society of Landscape Architects

Member, U.S. Green Building Council

Member, Town & Village of Tully Planning Board

publications

"Drawing Inspiration" Landscape Architect and Specifier News Volume 27, Number 11, November 2011.

employment history

Senior Landscape Architect and Project Manager, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., Syracuse, NY, 2017-present.

Landscape Architect and Project Manager, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., Syracuse, NY, 2012-2017.

Landscape Architect and Senior Associate, RNL, Denver, CO, 2003-2012.

Landscape Designer and Office Manager, Douglas Ian Associates, Rochester, NY, 2002-2003.

Landscape Designer, Dufresne-Henry Inc., Boston, Massachusetts, 2000-2002.

Landscape Architect, RNL, Denver, CO, 1998-2000

project experience

New York State Fairgrounds Redevelopment Project, NYS OGS, Town of Geddes, Syracuse, NY- Managed development of conceptual design and renderings for the Equine Center, Chevy Court, Main Gate, and Expo Center. EDR also assisted the Project Team planning for the New York Experience, Midway, Chevy Court, and Main Gate. Developed a comprehensive Signage Program at the Fairgrounds. The design guidelines covered building identification and building-mounted banners, wayfinding kiosks, wayfinding street signage, and pole-mounted banners. EDR created photo-simulations for each sign type at each building and evaluated on-site signage mock-ups with OGS.

Marriott Syracuse Downtown (former Hotel Syracuse), Syracuse, NY- Coordinated site planning and design services for the transformation of the outdoor hard and soft-scapes, exterior access points, and streetscape improvements to enhance the restoration of this c.1924 hotel.

North Corridor Dormitory Project, Phase I, SUNY State University at Oswego- Coordinated conceptual site planning and design to enhance North Corridor Dormitory project.

Academic Quad, SUNY State University of New York at Morrisville- Coordinated schematic design and writing accompanying reports for the centralized 5.5-acre quadrangle site surrounded by the Campus academic buildings.

Physical Science Building, SUNY State University of New York at Oneonta- Coordinated site planning and design services for $30M renovation and addition of the Physical Science Building. The spaces on the southwest side of the building have potential to serve as outdoor classrooms displaying sustainable stormwater and native landscape initiatives. Scope includes the design of the bio-swales, meadows, and the building entry plazas. *LEED™ Silver (target rating)*.

West Campus, Onondaga & Seneca East Quadrangle, SUNY State University at Oswego- Responsible for coordinating conceptual design for the 2-acre quadrangle site surrounded by three dormitory buildings, two dining halls, and a fitness center.

Hawkins Hall Pond Infrastructure Replacement, SUNY State University of New York at Plattsburgh- Coordinated concept design through bid document phase services for a landscape design surrounding the historic pond. Landscape includes restoration of disturbed areas for approximately 110,000 SF (low level restoration) and 20,000 SF of plantings including trees, shrubs, and perennials. Improvements include site furniture, lighting layout, benches, relocation and restoration of memorial benches, waterfall and water aeration features.

Christakos Field Gateway Project, Cazenovia College- Coordinated site planning and design services for design and construction documents to install gateway elements including brick clad freestanding columns, custom steel swing gates, custom metal signage and steel fencing, grading and pavement areas.

Le Moyne College, Dewitt, NY- Developed a Statuary Placement Master Plan including final design for the St. Ignatius sculpture at the Panasci Family Chapel. Worked with nationally-recognized sculptor, Brian Hanlon of Hanlon Studios.

Le Moyne College, Dewitt, NY- Designed multiple exterior staircase options at Reilly Hall to improve pedestrian circulation over 26 vertical feet of grade change.

The Greens at Sunset Ridge Golf Club, Marcellus, NY- Developed preliminary master plan options and cost estimating for the senior living community. Prepared documentation for New York State Consolidated Funding Application.

Onondaga Nation Fire House & Community Hall, Nedrow, NY- Managed site planning, design and engineering for a new fire house and community center. When designing the new facility, the design team kept thinking about a statement made to them, by the Onondaga Nation spiritual leader of the Six Nations, "When you leave the woods, it should look the same as before you walked in." The goal was to build a *Net Zero Energy Building* and site with high environmental standards. It was constructed of natural, local and recyclable/renewable products entirely by workers from Onondaga Nation who are skilled in their trades.

McAuliffe Health Center, DeWitt, NY- Coordinated the site and landscape design approvals process for this adult daycare center through the Town of DeWitt Planning Board and Zoning Board of Appeals.

Embracing Age, Baldwinsville, NY- Coordinated the concept design and the preliminary municipal review process through the Village Planning Board for the 18-acre senior living community. Project included new roadway infrastructure, stormwater management, walking paths, clubhouse amenities, and associated outdoor spaces for the 190-unit community.

Energy Project Visual Impact Assessments- Prepared Visual Impact Assessments (VIAs) for commercial wind power and power line projects in Upstate New York. The VIAs present the visual character and significant aesthetic resources within a 5 or 10-mile visual study radius. Viewshed analysis, line-of-sight cross sections, field review, and computer-assisted visual simulations were used to evaluate the potential visibility and visual impact of these projects. Notable projects include: the CHG & E A&C Line, the Crown City Wind Farm, and the Scioto Ridge Wind Farm.

Miron Residence, Skaneateles, NY- Coordinated site design and approvals process through the Town Planning Board. Design includes shoreline and outdoor patios and garden spaces.

Wallace Residence, Skaneateles, NY- Provided new deck and railing design and layout documents and modeling.

Skaneateles Country Club, Skaneateles, NY- Coordinated the preliminary design documents for Phases 1-3 of the clubhouse master plan.

Skaneateles Country Club, Skaneateles, NY- Coordinated site planning and design for shoreline improvements that incorporate aspects of accessibility, grading and green infrastructure. The focus of this project was fresh, family-friendly character and aesthetic with the addition of outdoor gathering seating, gathering and event spaces. Durable and easily repaired construction systems along with a low maintenance landscape were major considerations in the design.

Up the Creek Farm, Fairport, NY- Provided landform design to serve as a visual and auditory buffer adjacent for a horse farm located adjacent to a major highway.

Andrew E. Britton, RLA
Associate Principal

Andy is an Associate Principal and Senior Project Manager with EDR and has more than 20 years of professional experience. He is a registered Landscape Architect in the states of New York and New Hampshire and is a member of the New York Upstate Chapter of the American Society of Landscape Architects and the New York State Council of Landscape Architects. Andy has worked on a wide range of commercial, municipal, educational, institutional, residential, environmental, and industrial projects. Throughout his professional practice he has performed a variety of services including project management, site design, landscape master planning, hand/computer graphics, wetland mitigation, stream restoration, public participation/presentations, construction observation, site security, airports, athletic facilities, custom signage, streetscapes, green infrastructure, streetscape design, parks, trails, transportation improvements, multi-modal design, and data research.

As an Associate Principal and Senior Project Manager with EDR, Andy's responsibilities include concept design, preliminary design, design development, construction documentation, bidding and construction administration phases; providing technical guidance to the production team, consultation with clients and government agencies as required; and coordination of in-house production activities, the prime consultant team, project sub-consultants to EDR and other EDR disciplines.

education

Bachelor of Landscape Architecture, Minor in Urban Planning,
Virginia Polytechnic Institute and State University, 1998.

Associates of Applied Sciences in Horticulture,
SUNY Morrisville, 1994.

professional affiliations

ASLA- American Society of Landscape Architects, NY Upstate Chapter.

Member, NYSCLA- New York State Council of Landscape Architects.

Member, CLARB- Council of Landscape Architectural Review Board.

Member, New York Recreation & Park Society, Inc.

Member, Village of Lima Planning Board.

registrations

Registered Landscape Architect: NY # 002129

Registered Landscape Architect: NH #0081

employment history

Senior Managing Landscape Architect, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., Rochester, NY, 2017–present.

Managing Landscape Architect, Environmental Design & Research, Landscape Architecture, Engineering & Environmental Services, D.P.C., Rochester, NY, 2014–2017.

Lead Registered Landscape Architect and Planner, McFarland Johnson, Canandaigua, NY, 2009-2014.

Design Team Leader and Registered Landscape Architect, Stantec Consulting, Rochester, NY, 2000-2009.

Landscape Architectural Assistant, Environmental Design & Research, Rochester, NY, 1998–2000.

presentations

Presenter, National Garden Club Landscape Design School, Rochester, NY

Co-Presenter, 68th Annual Cortland Recreation Conference, Cortland, NY

Co-Presenter, NYS Recreation & Park Society 2018 Annual Conference, Syracuse, NY

project experience

Erie County Medical Center Corporation, Buffalo, NY – Managing site planning and design services in support of the modernization and expansion of the Emergency Room, a new 32,000 SF behavioral center of excellence, and a new 300,000 SF skilled nursing facility.

Rochester Community Design Center on behalf of the Beechwood Neighborhood Greenhouse Collaborative/Northeast Area Development, Rochester, NY – Managed site planning and design services to support development of spaces and structures surround the Freedom Market in the Beechwood Community.

Rochester Genesee Regional Transportation Authority (RGRTA) / (2016-2019) – Managing site planning, design and engineering services as sub-consultant to AKRF on an as-needed Environmental Review Consultant Term Services agreement.

RGRTA (2014) – Managed development of a series of photo simulations for two (2) different location of future bus shelters that highlighted different types of site amenities, simulating both day and evening conditions.

RGRTA (2013) – Managed site planning, design, and engineering services as sub-consultant to others, and coordinated installations of plantings along Chamberlain Street, Hayward Avenue, Main Street, and the parking lot islands surrounding the RGRTA campus.

Powder Mill Park, Pittsford, NY – Managed site planning, parking lot improvements, utility improvements, landscaping improvements, and deck surrounding the renovation of the largest shelter within the park. This was a collaborative project with Architectura (architecture) and LaBella (MEP) that is now a very nice / iconic facility atop a knoll that overlooks a quaint creek, that the County can rent to the public.

Park Systems Master Updates, Erie County, NY - Managed site planning, design, visualization, ecological and cultural resources management services, as needed, to support update the Park Master Plan, a valuable tool for County decision-makers since its adoption in 2003. One of the specific facets that EDR focused on was to provide ideas on how the Parks Department could reconsider: redesign existing parks, reassess maintenance practices, and reassess needs for manicured and hard structure stormwater treatment

Tifft Nature Preserve, Green Innovation Grant Program (GIGP) Study, Buffalo, NY - Managed site planning, design, engineering, and ecological resource management services in support of analysis of existing conditions and future feasibility of developing a GIGP program, and subsequently, a grant application for GIGP improvements at the nature preserve. The project lies in a highly sensitive area between a closed landfill and Lake Kristy. This project included treatment of shoreline along Lake Kristy as well as upgrades to provide a sustainable landscape and filtering of stormwater.

Perinton Park, Perinton, NY - Managed the team charged with designing: a new park gateway entrance that is pedestrian friendly and more iconic than the existing entrance; Design of Pickleball courts; ADA compliant pathways traversing the park and a new amphitheater / performance area nestled in the hillside.

Abraham Lincoln Park, Phase II, Penfield, NY - This project with designed and built in conjunction with Architectura. Part of the design team for site improvements for a new multi-use Monroe County Park Lodge and Greater Rochester YMCA boat house. Challenges of the project included environmental permitting, steep slopes, slope restoration, utility coordination, and existing poor soil conditions. The built project will offer a state-of-the-art Park Lodge facility that can be rented for private functions over a boat house which will store the Bayview YMCA waterfront equipment. The collaborative effort will offer Monroe County residents a new Lodge experience just feet away from Irondequoit Bay. Offering fantastic views of the water, while settled snugly in to the existing Abraham Park surrounds.

Morgan Creek Mitigation, Presho, NY - *Prior to EDR*, coordinated with the NYSDOT on a mitigation project to restore riparian zones, reduce stream bank erosion, and rehabilitate habitat based on the Dave Derrick Method of stream design. The project included construction of flood plain benches, bank stabilization practices, bendway weirs, rock riffles, live staking and container plantings, plunge pools, stream bottom reconfiguration and longitudinal peak stone toe protection. The project objectives were successfully met, and the creek has been high functioning ever since construction.

Ohio Street Boat Launch and Old Bailey Woods Shoreline and Riparian Habitat Restoration Projects, NYSDEC, Buffalo, NY - Responsible for managing project that included drafting, concept design, and graphics for restoration and enhancement of the ecological function of the Buffalo River in two different locations (one being a public boat launch and park at Ohio Street and the other being a naturalized riparian woods along the bank of the river).

Mendon Ponds Park Master Plan Updates, Monroe County Parks, Monroe County, NY - Managed the preparation of master plan updates in support of future development plans for 2,000-acre *National Natural Landmark*-designated park comprised of glacial landforms, wetlands, and rare ecological communities. EDR developed the original master plan for land use, recreation and ecological preservation of the park. The update process involved extensive public participation. Recommendations addressed resource protection, ecological community restoration, species and habitat management, recreational use restrictions, interpretive educational opportunities, park operations and maintenance concerns.

North Division Street Bridge (over Owaso Outlet) Replacement, Auburn, NY - Managed streetscape design and bridge aesthetics in support of total replacement of deteriorated bridge, improving overall safety for vehicular, pedestrian and bicycle traffic; all designed to meet current local, railroad, FHWA, SHPO, ADA, and NYSDOT standards.

Lebanon VAMC Stormwater Management Study and Design, Lebanon VA Medical Center, Lebanon, PA - *Prior to EDR*, developed the concept layout plans and all plantings for stormwater management enhancement. This project included conducting a stormwater management study to analyze, assess, and make recommendations regarding improvements to the existing stormwater management system. The study included hydrologic analyses of existing conditions and impacts from future development. Seven schematic designs were developed illustrating possible improvements needed to facilitate future development while remaining in compliance with the goal of 100% on-site retention of stormwater runoff. Three stormwater retention ponds were designed in accordance with the South Lebanon Township Stormwater Regulations and NPDES General Permit (PAG-02). In addition, the redesign of approximately 4,600 linear feet of existing defective and under-sized stormwater drainage pipes was also completed.

Bailey's Pond Residential Condominium, Village at Bailey's Pond, Amesbury, MA - *Prior to EDR*, planned and designed the site improvements including a new site layout, pavement construction, stormwater management, utilities and landscaping. Scope of work included site plan review by the Amesbury Planning Board, a Notice of Intent filed with the Amesbury Conservation Commission and a Vehicle Access Permit from the Massachusetts Department of Transportation.

Appendix F

Stakeholder Outreach and Correspondence

Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services, D.P.C.

217 Montgomery Street, Suite 1000, Syracuse, New York 13202
P. 315.471.0688 • F. 315.471.1061 • www.edrdpc.com

March 6, 2019

Municipal Planning, State Agency and Party List Representatives
Per Attached Distribution List

RE: Morris Ridge Solar Energy Center
Identification of Visually Sensitive Resources
Official Request for Information

Dear Municipal Planning, State Agency and Party List Representative:

As you may be aware, Morris Ridge Solar Energy Center, LLC, an indirect subsidiary of EDF Renewables, Inc. is proposing to construct the Morris Ridge Solar Energy Center (Project), a 177 megawatt (MW) alternating current (AC) photovoltaic (PV) solar energy generation facility, that may include up to 50 MW (200 megawatt hours [MWh]) of battery energy storage capacity located in the Town of Mount Morris, Livingston County, New York. The proposed Project is subject to the rules for siting a major electric generating facility under Article 10 of the New York State Public Service Law (PSL). In accordance with the Article 10 regulations, a Public Involvement Program (PIP) plan for this Project was filed in September 2018 and a Preliminary Scoping Statement (PSS) will be filed within the next month. Both documents will be available on the Project's website, www.morrisridgesolar.com. Please refer to the PIP and the PSS, when available, for additional details regarding the proposed Project.

In accordance with the Article 10 regulations, and as described in the PIP and PSS, Environmental Design and Research, Landscape Architecture, Engineering and Environmental Services, DPC (EDR) is conducting a Visual Impact Assessment (VIA) for the proposed Project on behalf of Morris Ridge Solar Energy Center, LLC.

We are reaching out to you to request your assistance in identifying the visually sensitive resources to be included in this study. The information presented in this letter and its enclosures is intended to provide you with sufficient context and information to assist with the identification of these visually sensitive resources, and eventually the selection of important and/or representative viewpoints from which visual simulations of the Project would be prepared.

Visual Study Area

The VIA will employ a 5-mile radius visual study area to identify the visually sensitive resources pertinent to this Project. The visual study area, boundary for the Project is depicted on Figure 2.

Visually Sensitive Resources

Aesthetic resources of statewide significance are formally defined by the Department of Environmental Conservation (DEC) in the Program Policy entitled Assessing and Mitigating Visual Impacts[1] (the "DEC Visual Policy"). The requirements of Article 10, Exhibit 24, part 1001.24 (b)(4)(ii) identify additional categories of sensitive resources. Together, these two sources identify the following sensitive resources within the visual study area:

[1] The DEC Program Policy *Assessing and Mitigating Visual Impacts* was issued on July 31, 2000 and can be reviewed here: http://www.dec.ny.gov/docs/permits_ej_operations_pdf/visual2000.pdf.

- Properties of Historic Significance (Properties Listed on the National or State Register of Historic Places, Properties Eligible for National /State Register of Historic Places)
- Public Lands and Recreational Resources (State Parks, State Forest, State and Federal Trails, Snowmobile Trails, Local Parks and Recreational Areas, Named Lakes, Ponds and Rivers Public Fishing Rights Easements)
- High-Use Public Areas (State, US and Interstate Highways, Schools, Cities, Villages, Hamlets)

EDR has conducted a preliminary desktop inventory of visually sensitive resources of potential national, statewide and local significance, including the types of resources identified on the above list. Figure 2 illustrates the location of each identified resource and Table 1 provides information about each site, including name, distance to the proposed Project, and the potential visibility of the Facility based on preliminary viewshed analysis.

Feedback Request

EDR and Morris Ridge Solar Energy Center, LLC are formally requesting feedback from municipal and regional planning representatives, state agencies, DMM party list stakeholders and any additional local constituents in the identification of additional locations and areas of aesthetic concern in and adjacent to the visual study area. Please review the inventory of visually sensitive resources included as Table 1 and depicted on Figure 2. EDR believes the list of aesthetic resources included herein represents a substantially complete desktop inventory of the significant visually sensitive resources within the visual study area. Please let us know whether there are any additional resources that you believe should be added to the inventory. If so, please provide the name and location of the visually sensitive resources (not identified in Table 1) that you feel should be added to the inventory of aesthetic resources by April 08, 2019 (30 days from date of letter).

All future correspondence regarding the Morris Ridge Solar Energy Center will be by email, unless otherwise specified. Please confirm your email address from the distribution list, or if missing please provide. Regarding future correspondence, please direct to the contact below.

- Via email to: mrobinson@edrdpc.com
- Via written letter to:
  Attn: Matthew Robinson
  Environmental Design & Research
  217 Montgomery Street
  Suite 1000
  Syracuse, NY 13202

We appreciate your assistance.

Sincerely,

Matthew Robinson
Environmental Design & Research, Landscape Architecture, Engineering, & Environmental Services, D.P.C.
On behalf of Morris Ridge Solar Energy Center, LLC

List of Enclosures:

- Table 1. Visually Sensitive Resources
- Figure 1. Facility Area
- Figure 2. Sensitive Resources and Viewshed Analysis

Visually Sensitive Resource	Location		Distance[1]	Distance Zone	Project Visibility (Viewshed Results)	
					+Visible - Not Visible +/- Partially Visible	
	Town	County	Miles from PV Panel Areas	● Foreground ● Midground • Background	DEM Viewshed (Topography Only)	DSM Viewshed (Topography, Structures, and Vegetation)
Properties of Historic Significance [6 NYCRR 617.4 (b)(9)]						
Sites Listed on National or State Registers of Historic Places (NRHP/SRHP)						
First Presbyterian Church of Tuscarora	Mount Morris	Livingston	0.1	●	+	+/-
Letchworth State Park	Castile, Genesee Falls, Leicester, Mount Morris, Portage	Livingston, Wyoming	0.2	●	+/-	+/-
Black and White Farm Barn	Groveland	Livingston	2.0	●	-	-
South Main Street, House at No. 176	Mount Morris	Livingston	2.4	●	+	-
South Main Street Historic District	Mount Morris	Livingston	2.4	●	+/-	-
Murray Street Historic District	Mount Morris	Livingston	2.7	●	+	-
Murray Street, House at No. 30	Mount Morris	Livingston	2.7	●	+	-
New Family Theater	Mount Morris	Livingston	2.8	●	+	-
St. John's Episcopal Church	Mount Morris	Livingston	2.8	●	+	-
State and Eagle Streets Historic District	Mount Morris	Livingston	2.8	●	+/-	-
State Street, House at No. 8	Mount Morris	Livingston	2.8	●	+/-	-
Mills, Gen. William A., House	Mount Morris	Livingston	2.9	●	+	-
Grove Street, House at No. 13	Mount Morris	Livingston	3.0	●	+/-	-
Grove Street, House at No. 48	Mount Morris	Livingston	3.1	●	+/-	-
Elmwood (William N. Alward House)	Nunda	Livingston	3.8	●	+/-	+/-
Williamsburg Cemetery	Groveland	Livingston	4.1	•	+	+/-
Union Block	Nunda	Livingston	4.2	•	+	-
Sparta First Presbyterian Church	Groveland	Livingston	4.2	•	+	+/-
Orator F. Woodward Cottage	Castile	Wyoming	4.7	•	-	-
Epworth Hall	Castile	Wyoming	4.8	•	-	-
Silver Lake Institute Historic District	Castile	Wyoming	4.8	•	-	-
Barna C. Roup House	Perry	Wyoming	4.9	•	-	-
Perry Downtown Historic District	Perry	Wyoming	4.9	•	-	-
Brick Presbyterian Church	Perry	Wyoming	5.0	•	+/-	-
Edgerley	Portage	Livingston	5.0	•	-	-
Sites Eligible for Listing on NRHP or SRHP						
7004 Sonyea Road Building 112, Farm house "Grovemount" (1907).	Groveland, Mount Morris	Livingston	0.1	●	+	+/-
Sonyea Road	Mount Morris	Livingston	0.1	●	+	-
7004 Sonyea Road Building 113	Mount Morris	Livingston	0.1	●	+	-

Visually Sensitive Resource	Location		Distance[1]	Distance Zone	Project Visibility (Viewshed Results)	
					+Visible - Not Visible +/- Partially Visible	
	Town	County	Miles from PV Panel Areas	● Foreground ● Midground • Background	DEM Viewshed (Topography Only)	DSM Viewshed (Topography, Structures, and Vegetation)
7004 Sonyea Road Building 114, Employee Cottage Group "Heath" (1898).	Groveland	Livingston	0.1	●	+	-
Craig Colony for Epileptics NHRP-Eligible Historic District	Groveland, Mount Morris	Livingston	0.2	●	+/-	-
7004 Sonyea Road Building 116, Barn (1899).	Groveland	Livingston	0.2	●	+	-
7004 Sonyea Road Building 115, Employee Cottage Group "Evergreen" (1899)	Groveland	Livingston	0.2	●	+	-
7004 Sonyea Road Building 125, Barn (1925).	Groveland	Livingston	0.3	●	+	-
7004 Sonyea Road Building 25 "Seneca" (1860), a two-story frame building.	Groveland	Livingston	0.3	●	+	-
7004 Sonyea Road Building 29, Wigwam (1850)	Groveland	Livingston	0.3	●	+	-
7004 Sonyea Road Building 84, Dormitory "Dahl" (1927)	Groveland	Livingston	0.3	●	+	-
7004 Sonyea Road Building 23, Iroquois (1912), a two-story Colonial Revival building with a terra cotta roof.	Groveland	Livingston	0.3	●	+	-
7004 Sonyea Road Building 83, Dormitory "Wiste" (1927).	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Craig Developmental Center, Groveland Correctional.	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Building 120, Onondaga (1918), a one-story brick Georgian Revival building.	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Building 121, Cayuga (1912), a one-story brick Georgian Revival building.	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Building 122, Oneida (1912), a one-story brick Georgian Revival building.	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Building 15, "Laboratory" (1899), a two-story brick building with a stone foundation.	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Building 96, Laurel (1934).	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Building 14, Peterson Hospital (1898), a two-and-one-half-story H-plan building.	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Building 94, Larch (1934).	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Building 82, Lang Hall (1927), a two-story brick building with a central pavilion.	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Building 111, Employee Cottage Group "Catalpa" (1907).	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Shaker Cemetery, unknown number of headstones.	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Building 92, Dormintory "Junip" (1934),	Groveland	Livingston	0.4	●	+	-
7004 Sonyea Road Building 117, Employee Cottage Group "Lilac" (1898)	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 20, Village Green group "Tulip Tree (1906)	Groveland	Livingston	0.5	●	+	-

Visually Sensitive Resource	Location		Distance[1]	Distance Zone	Project Visibility (Viewshed Results)	
					+Visible - Not Visible +/- Partially Visible	
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7004 Sonyea Road Building 10, Employee Cottage Group "Hyacinth" (1908), appears demolished.	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 118, Daffodil (no date).	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 110, Farmstead Group, a two-and-one-half-story Colonial Revival building.	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 9, Frame Shop "Cherry" (1860), two-story frame building.	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 18, Village Green Group "Walnut" (1889-1901)	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 119, Employee Cottage Group "Violet" (1899)	Groveland	Livingston	0.5	●	+/-	-
7004 Sonyea Road Building 93, Holly (1934).	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 16, Village Green Group "Willow" (1899-1901), a two-story brick Renaissance Revival building.	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 7, Dining Hall (1897), a one-story annex building.	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 66, Farmstead Group, Barn.	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road An approximately 150-acre cemetery with an estimated 2,280 headstones, circa 1900 (Craig Colony Memorial Cemetery).	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 5, Spratling Hall (1898), a two-and-one-half-story English Renaissance style building.	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 95, Hickory (1934).	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 4, Letchworth House (1858), a four-story brick building.	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 21, Village Green Group "Buckeye" (1906)	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 86, Auditorium "Shanahan Hall" (1930).	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 17, Village Green Group "Birch" (1899-1901)	Groveland	Livingston	0.5	●	+	-
7004 Sonyea Road Building 109, Employee Cottage Group "Clover" (1909)	Groveland	Livingston	0.6	•	+	-
7004 Sonyea Road Building 2, Superintendent's Garage (1899).	Groveland	Livingston	0.6	•	+	-
7004 Sonyea Road Building 1, Superintendent (1899), a two-story Colonial Revival building.	Groveland	Livingston	0.6	•	+	-
7004 Sonyea Road Building 3, Employee Cottage Group (1900), a one-and-one-half-story Arts and Crafts/Colonial Revival building.	Groveland	Livingston	0.6	•	+	-
7004 Sonyea Road Building 87, Maintenance "Work Control Center" (1931).	Groveland	Livingston	0.7	•	+	-
7004 Sonyea Road Building 59, Storehouse (1900).	Groveland	Livingston	0.7	•	+	-
7004 Sonyea Road Building 57, Men's Trade School/ Maintenance (1898), a two-and-one-half-story brick building.	Groveland	Livingston	0.7	•	+	-
7004 Sonyea Road Building 56, Storage (1907).	Groveland	Livingston	0.7	•	+/-	-
7004 Sonyea Road Building 58, Generator (1938).	Groveland	Livingston	0.7	•	+/-	-

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7004 Sonyea Road Building 54, Old Power House (1897-1910)	Groveland	Livingston	0.7	●	-	-
7004 Sonyea Road Building 32, catholic Chapel (1901), a one-story church building with a three-story central steeple with low-hipped roof.	Groveland	Livingston	0.8	●	+	-
7004 Sonyea Road Building 105, Employee Cottage Group "Sunflower" (1907), appears demolished.	Groveland	Livingston	0.8	●	+	-
7004 Sonyea Road Building 53, Laundry (1898).	Groveland	Livingston	0.8	●	+/-	-
7004 Sonyea Road Building 78, Dormitory "Glen".	Groveland	Livingston	0.8	●	+	-
7004 Sonyea Road Building 79, Dormitory building "Clem" (1927).	Groveland	Livingston	0.9	●	+	-
7004 Sonyea Road Building 120, Employee Cottage Group "Arbutus (1904)	Groveland	Livingston	0.9	●	+/-	-
Wildcat Road	Mount Morris	Livingston	0.9	●	+/-	-
7004 Sonyea Road Building 80, Briggs Hall (1927).	Groveland	Livingston	0.9	●	+	-
Veeder Creek West	Groveland	Livingston	0.9	●	+	-
7004 Sonyea Road Building 91, Van Rensselaer (1934).	Groveland	Livingston	0.9	●	+	-
7004 Sonyea Road Building 31, Hawkins School (1911), a two-and-one-story Colonial Revival school building with classical pilasters.	Groveland	Livingston	0.9	●	+	-
7004 Sonyea Road Building 90, Heliotrope (1934).	Groveland	Livingston	0.9	●	+	-
7004 Sonyea Road Building 88, Protestant Chapel, a one-story Greek Revival chapel with a central bell tower.	Groveland	Livingston	0.9	●	+	-
3180 Presbyterian Road	Mount Morris	Livingston	1.0	●	+	+/-
Buck Run Creek	Mount Morris	Livingston	1.3	●	+/-	-
Park Road	Leicester	Livingston	1.9	●	-	-
177 South Main Street	Mount Morris	Livingston	2.3	●	+	-
178 South Street	Mount Morris	Livingston	2.4	●	+	-
163 South Main Street	Mount Morris	Livingston	2.4	●	+	-
160 South Main Street	Mount Morris	Livingston	2.4	●	+	-
66 Stanley Street	Mount Morris	Livingston	2.7	●	+	-
20 Murray Street	Mount Morris	Livingston	2.7	●	+	-
112 Main Street	Mount Morris	Livingston	2.7	●	+	-
106 Main Street	Mount Morris	Livingston	2.7	●	+	-
96-100 South Mian Street	Mount Morris	Livingston	2.8	●	+	-
94 South Main Street	Mount Morris	Livingston	2.8	●	+	-
86-90 South Main Street	Mount Morris	Livingston	2.8	●	+	-
83-85 South Main Street	Mount Morris	Livingston	2.8	●	+	-
80-84 South Main Street	Mount Morris	Livingston	2.8	●	+	-

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81 South Main Street	Mount Morris	Livingston	2.8	●	+	-
77-79 South Main Street	Mount Morris	Livingston	2.8	●	+	-
78 South Main Street	Mount Morris	Livingston	2.8	●	+	-
5 Chapel Street	Mount Morris	Livingston	2.8	●	+	-
9 Chapel Street	Mount Morris	Livingston	2.8	●	+	-
21 Chapel Street	Mount Morris	Livingston	2.8	●	+	-
31-33 Chapel Street	Mount Morris	Livingston	2.8	●	+	-
75 South Main Street	Mount Morris	Livingston	2.8	●	+	-
46 Stanley Street	Mount Morris	Livingston	2.8	●	+	-
45 Chapel Street	Mount Morris	Livingston	2.8	●	+	-
73 South Main Street	Mount Morris	Livingston	2.8	●	+	-
66 South Main Street	Mount Morris	Livingston	2.8	●	+	-
6 Chapel Street	Mount Morris	Livingston	2.8	●	+	-
64 South Main Street	Mount Morris	Livingston	2.8	●	+	-
10 Chapel Street	Mount Morris	Livingston	2.8	●	+	-
16 Chapel Street	Mount Morris	Livingston	2.8	●	+	-
65-71 South Main Street	Mount Morris	Livingston	2.8	●	+	-
22 Chapel Street	Mount Morris	Livingston	2.8	●	+	-
28 Chapel Street	Mount Morris	Livingston	2.8	●	+	-
18 Chapel Street	Mount Morris	Livingston	2.8	●	+	-
60 South Main Street	Mount Morris	Livingston	2.8	●	+	-
32 Chapel Street	Mount Morris	Livingston	2.8	●	+	-
59-63 South Main Street	Mount Morris	Livingston	2.8	●	+	-
55 South Main Street	Mount Morris	Livingston	2.8	●	+	-
54 South Main Street	Mount Morris	Livingston	2.8	●	+	-
52 South Main Street	Mount Morris	Livingston	2.8	●	+	-
53 South Main Street	Mount Morris	Livingston	2.8	●	+	-
51 South Main Street	Mount Morris	Livingston	2.8	●	+	-
50 South Main Street	Mount Morris	Livingston	2.8	●	+	-
47-49 South Main Street	Mount Morris	Livingston	2.8	●	+	-
46 South Main Street	Mount Morris	Livingston	2.8	●	+	-

Visually Sensitive Resource	Location		Distance[1]	Distance Zone	Project Visibility (Viewshed Results)	
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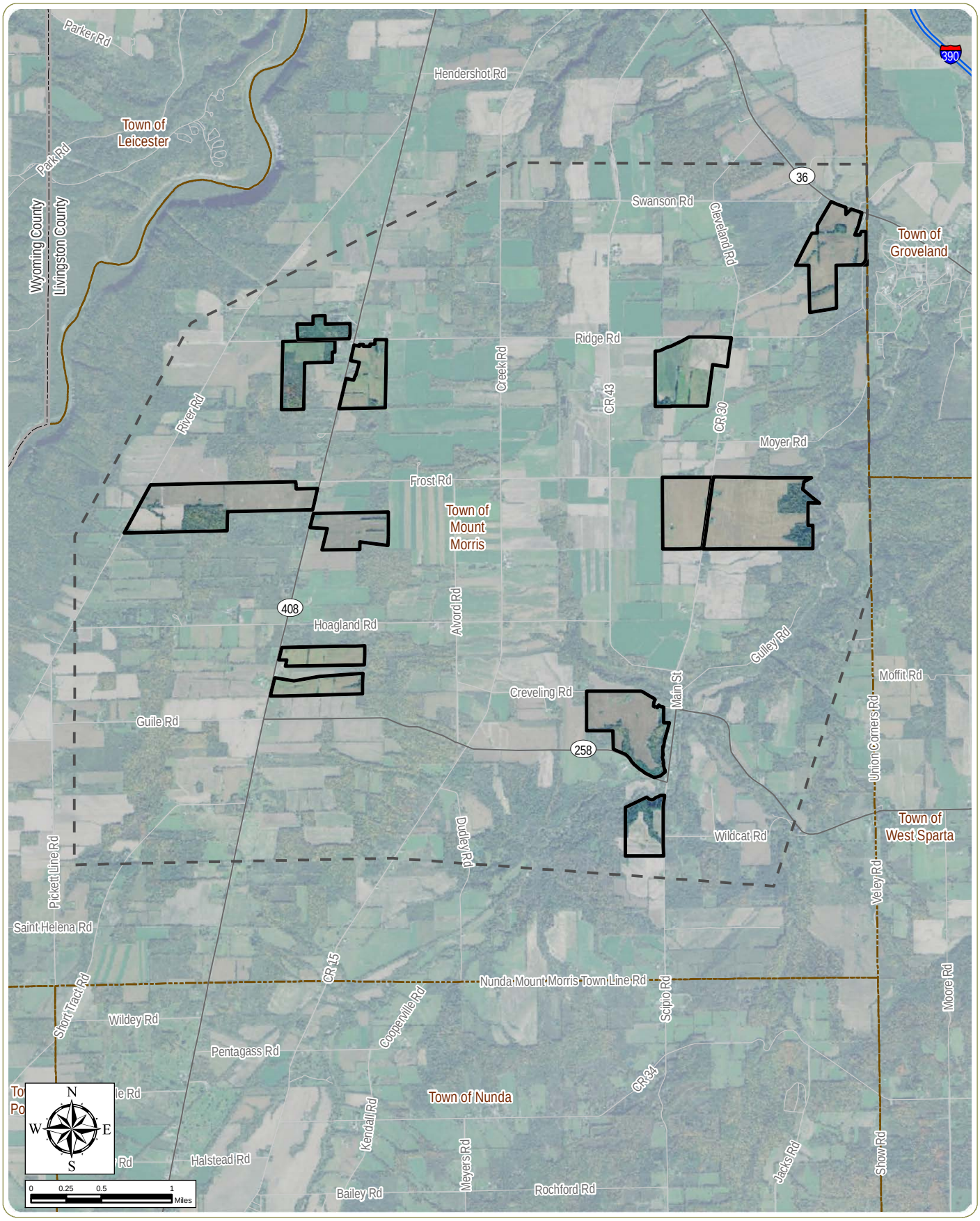
	Town	County	Miles from PV Panel Areas	● Foreground ● Midground • Background	DEM Viewshed (Topography Only)	DSM Viewshed (Topography, Structures, and Vegetation)
80 Chapel Street	Mount Morris	Livingston	2.9	●	+	-
4 State Street	Mount Morris	Livingston	2.9	●	+	-
36-44 South Main Street	Mount Morris	Livingston	2.9	●	+	-
35 Main Street	Mount Morris	Livingston	2.9	●	+	-
34 South Main Street	Mount Morris	Livingston	2.9	●	+	-
32 Main Street	Mount Morris	Livingston	2.9	●	+	-
8 North Main Street	Mount Morris	Livingston	3.0	●	-	-
10 Oak Grove	Mount Morris	Livingston	3.1	●	+	-
Lackawanna Avenue	Mount Morris	Livingston	3.1	●	+	-
51 North Main Street	Mount Morris	Livingston	3.2	●	-	-
55 North Main Street	Mount Morris	Livingston	3.3	●	-	-
63 North Main Street	Mount Morris	Livingston	3.3	●	-	-
78 North Main Street	Mount Morris	Livingston	3.4	●	-	-
65 North Main Street	Mount Morris	Livingston	3.4	●	-	-
Former Mount Morris Tuberculosis Hospital NRHP-Eligible Historic District	Mount Morris	Livingston	3.5	●	+/-	-
4 Murray Hill Drive Building 3 - Former Nurses' Dormitory.	Mount Morris	Livingston	3.5	●	+	-
4 Murray Hill Drive Building 2 - Former Children's Hospital.	Mount Morris	Livingston	3.6	●	+	-
112 South Main Street	Mount Morris	Livingston	3.6	●	-	-
4 Murray Hill Drive Building 10.	Mount Morris	Livingston	3.6	●	+	-
4 Murray Hill Drive Building 4.	Mount Morris	Livingston	3.6	●	+	-
4 Murray Hill Drive Building 5 - Former Head Physician's Residence.	Mount Morris	Livingston	3.6	●	+	-
4 Murray Hill Drive Building 7.	Mount Morris	Livingston	3.6	●	+	-
4 Murray Hill Drive Building 6.	Mount Morris	Livingston	3.6	●	+/-	-
4 Murray Hill Drive Building 8.	Mount Morris	Livingston	3.7	●	-	-
4 Murray Hill Drive Building 9.	Mount Morris	Livingston	3.7	●	+	-
90 Mill Street	Nunda	Livingston	4.0	●	+	-
Walnut Street	Nunda	Livingston	4.1	•	+/-	-
22 East Street	Nunda	Livingston	4.2	•	+	-
16 East Street	Nunda	Livingston	4.2	•	+	-
19 North State Street	Nunda	Livingston	4.2	•	+	-
20 Mill Street	Nunda	Livingston	4.2	•	+	-

Visually Sensitive Resource	Location		Distance[1]	Distance Zone	Project Visibility (Viewshed Results)	
					+Visible - Not Visible	+/- Partially Visible
	Town	County	Miles from PV Panel Areas	● Foreground ● Midground • Background	DEM Viewshed (Topography Only)	DSM Viewshed (Topography, Structures, and Vegetation)
16 Mill Street	Nunda	Livingston	4.2	•	+	-
37 Mill Street	Nunda	Livingston	4.3	•	+	-
35 Mill Street	Nunda	Livingston	4.3	•	+	-
70 North main Street	Perry	Wyoming	4.9	•	+	-
National/State Historic Sites						
None in Study Area						
Designated Scenic Resources						
Rivers Designated as National or State Wild, Scenic or Recreational						
None in Study Area						
Adirondack Park Scenic Vistas [Adirondack Park Land Use and Development Map]						
None in Study Area						
Sites, Areas, Lakes, Reservoirs or Highways Designated or Eligible for Designation as Scenic ([ECL Article 49Title 1] or equivalent)						
None in Study Area						
Scenic Areas of Statewide Significance [Article 42 of Executive Law]						
None in Study Area						
Other Designated Scenic Resources (Easements, Roads, Districts, and Overlooks)						
None in Study Area						
Public Lands and Recreational Resources						
National Parks, Recreation Areas, Seashores, and Forests [16 U.S.C. 1c]						
None in Study Area						
National Natural Landmarks [36 CFR Part 62]						
None in Study Area						
National Wildlife Refuges [16 U.S.C. 668dd]						
None in Study Area						
Heritage Areas (formerly Urban Cultural Parks)[Parks, Recreation and Historic Preservation Law Section 35.15]						
None in Study Area						
State Parks [Parks, Recreation and Historic Preservation Law Section 3.09]						
Letchworth State Park	Castile, Genesee Falls, Leicester, Mount Morris, Portage	Livingston, Wyoming	0.2	●	+/-	+/-
State Nature and Historic Preserve Areas [Section 4 of Article XIV of the State Constitution]						
None in Study Area						
State Forest Preserve [NYS Constitution Article XIV]						
None in Study Area						
Other State Lands						
Wildlife Management Areas & Game Refuges						
None in Study Area						
State Forests						
Sonyea State Forest	Groveland, Mount Morris, West Sparta	Livingston	0.0	●	+/-	+/-
State Fishing/Waterway Access Sites						
None in Study Area						
Trails						
State and Federal Trails						
Genesee Valley Greenway State Trail (also a NRHP-listed site and a State Park)	Groveland, Leicester, Mount Morris, Nunda, Portage	Livingston	0.0	●	+/-	+/-
Finger Lakes Trail	Genesee Falls, Mount Morris, Nunda, Portage	Livingston, Wyoming	0.3	●	+/-	-

Visually Sensitive Resource	Location		Distance[1]	Distance Zone	Project Visibility (Viewshed Results)	
					+Visible - Not Visible +/- Partially Visible	
	Town	County	Miles from PV Panel Areas	● Foreground ● Midground • Background	DEM Viewshed (Topography Only)	DSM Viewshed (Topography, Structures, and Vegetation)
Snowmobile/ATV Trails						
Letchworth State Park Snowmobile Trail	Castile, Genesee Falls, Leicester	Livingston, Wyoming	1.7	●	+/-	+/-
Oatka Valley Snowmobile Trail	Castile, Genesee Falls, Perry	Wyoming	2.1	●	+/-	+/-
Caledonia Trailblazers Snowmobile Trail	Leicester	Livingston	4.0	●	+/-	-
Bike Trails/Routes						
None in Study Area						
Palisades Park [Palisades Interstate Park Commission]						
Not Applicable						
Local Parks and Recreation Areas						
Keshequa Golf Club	Groveland	Livingston	0.3	●	+/-	-
Woodlynn Hills Golf Course	Nunda	Livingston	2.6	●	+/-	-
Francis Bellamy Memorial Park	Mount Morris	Livingston	3.0	●	+/-	-
Livingston County Park	Mount Morris	Livingston	3.2	●	+/-	-
Castile Town Lands	Castile	Wyoming	4.8	•	-	-
Perry Village Lands	Castile, Perry	Wyoming	4.9	•	-	-
Publicly Accessible Conservation Lands/Easements						
None in Study Area						
Rivers and Streams with Public Fishing Rights Easements						
None in Study Area						
Named Lakes, Ponds, and Reservoirs						
Genesee River	Castile, Genesee Falls, Mount Morris, Portage	Livingston, Wyoming	2.8	●	-	-
Silver Lake	Castile, Perry	Wyoming	4.8	•	-	-
High-Use Public Areas						
State, US, and Interstate Highways						
NYS Route 36	Groveland, Leicester, Mount Morris, West Sparta	Livingston	0.0	●	+/-	+/-
NYS Route 408	Groveland, Mount Morris, Nunda	Livingston	0.0	●	+/-	+/-
NYS Route 258	Groveland, Mount Morris, Sparta, West Sparta	Livingston	0.0	●	+/-	+/-
Interstate 390	Geneseo, Groveland, West Sparta	Livingston	1.2	●	+/-	+/-
NYS Route 63	Geneseo, Groveland, Sparta, West Sparta	Livingston, Wyoming	2.5	●	+/-	+/-
NYS Route 436	Genesee Falls, Nunda, Ossian, Portage	Livingston, Wyoming	3.9	●	+/-	+/-
NYS Route 39	Castile, Genesee Falls, Geneseo, Leicester, Perry	Livingston, Wyoming	4.2	•	+/-	+/-
NYS Route 246	Perry	Wyoming	4.9	•	-	-
Schools						
Mount Morris Public School	Mount Morris	Livingston	2.0	●	+/-	-
Genesee Valley BOCES	Mount Morris	Livingston	3.1	●	+/-	-
Arc of Livingston - Wyoming	Groveland	Livingston	3.2	●	+/-	+/-

Visually Sensitive Resource	Location		Distance[1]	Distance Zone	Project Visibility (Viewshed Results)	
					+Visible - Not Visible +/- Partially Visible	
	Town	County	Miles from PV Panel Areas	● Foreground ● Midground • Background	DEM Viewshed (Topography Only)	DSM Viewshed (Topography, Structures, and Vegetation)
Keshequa Middle and Senior High School	Nunda	Livingston	4.3	•	+/-	-
Cities, Villages, Hamlets						
Cities and Villages						
Village of Mount Morris	Leicester, Mount Morris	Livingston	1.9	●	+/-	+/-
Village of Nunda	Nunda	Livingston	3.5	●	+/-	+/-
Village of Perry	Castile, Perry	Wyoming	4.3	•	+/-	+/-
Hamlets						
Tuscarora	Mount Morris	Livingston	0.0	●	+/-	+/-
Sonyea	Groveland, West Sparta	Livingston	1.2	●	+/-	-
Groveland	Groveland, Sparta	Livingston	3.6	●	+/-	+/-
Silver Lake	Castile	Wyoming	4.5	•	+/-	-
Groveland Corners	Groveland	Livingston	4.6	•	+/-	+/-
Fairview	Castile	Wyoming	4.7	•	-	-
Resources Identifed by Stakeholders						
TBD						

1. For large areas and linear sites, approximate distance to the nearest PV panel was measured from the respective area's closest point.



Morris Ridge Solar Energy Center (18-F-0440)

Town of Mount Morris, Livingston County, New York

Figure 1: Facility Site

Notes: 1. Basemap: USDA NAIP 2018 orthoimagery map service. 2. This map was generated in ArcMap on February 28, 2019. 3. This is a color graphic. Reproduction in grayscale may misrepresent the data.

- Facility Site (Parcels Under Consideration)
- Facility Area
- Town Boundary
- County Boundary

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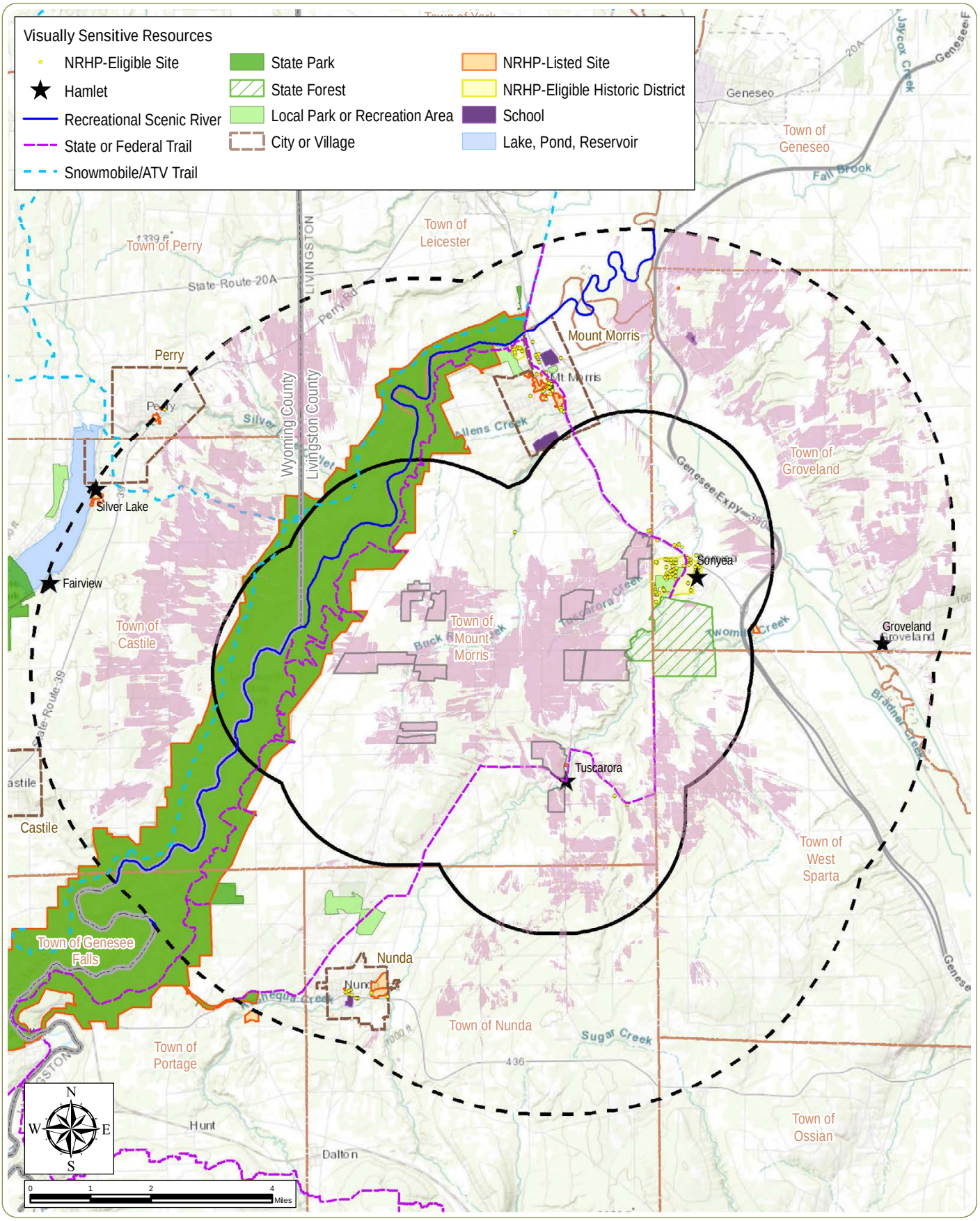

Morris Ridge Solar Energy Center (18-F-0440)

Town of Mount Morris, Livingston County, New York

Figure 2: Visually Sensitive Resources and Viewshed Analysis

Notes: 1. Basemap: ESRI ArcGIS Online "World Topographic Map" map service. 2. Preliminary Project visibility is based on current layout and the screening effects of topogrpahy, vegetation, and structures. 3. This map was generated in ArcMap on March 6, 2019. 4. This is a color graphic. Reproduction in grayscale may misrepresent the data.

- Preliminary Project Visibility
- Facility Site
- 2 Mile Study Area
- 5 Mile Study Area
- Town Boundary
- County Boundary

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Towns						
Keith Granger, Supervisor	Town of Castile	31 E. Mill St.	Castile	NY	14427-0179	castilesupervisor@gmail.com
Eric Parker, Chair Planning Board	Town of Castile	3751 Middle Reservation Rd.	Perry	NY	14530	
Ronald Ballinger, President Historical Society	Town of Castile	17 East Park St.	Castile	NY	14427	castilehistory@peoplepc.com
Linda Little, Historian	Town of Castile	17 East Park St.	Castile	NY	14427	castilehistory@peoplepc.com
William E. Carman, Supervisor	Town of Groveland	4955 Aten Rd.	Groveland	NY	14462	secsupervisor@grovelandny.org
Seth Burnette, Chair Planning Board	Town of Groveland	4955 Aten Rd.	Groveland	NY	14462	
David Carman, Historian	Town of Groveland	4955 Aten Rd.	Groveland	NY	14462	historian@grovelandny.org
Dave Fanaro, Supervisor	Town of Leicester	PO Box 197	Leicester	NY	14481	townofleicestersupervisor@gmail.com
Shawn Grasby, Code Enforcement Office	Town of Leicester	PO Box 197	Leicester	NY	14481	towncode@geneseony.org
Karen Roffe, Historian	Town of Leicester	PO Box 197	Leicester	NY	14481	
Renee Fanaro, Teen Youth Representative	Town of Leicester	PO Box 197	Leicester	NY	14481	tofleicester@aol.com
Charles J. DiPasquale, Supevisor	Town of Mount Morris	103 Main Street	Mount Morris	NY	14510	chuckdipo@frontiernet.net
Cathie Gehrig, Chair Planing Board	Town of Mount Morris	103 Main Street	Mount Morris	NY	14510	
Nicholas Loverde, Historian	Town of Mount Morris	55 Murry Street	Mount Morris	NY	14510	historian2@rochester.rr.com
Merilee Walker, Supervisor	Town of Nunda	PO Box 699	Nunda	NY	14517	Merileew@frontiernet.net
Alex Pierce, Chair Planning Board	Town of Nunda	PO Box 699	Nunda	NY	14517	
Valerie Griffing, Historian	Town of Nunda	PO Box 699	Nunda	NY	14517	historian@town.nunda.ny.us
Sue Erdle, Supervisor	Town of West Sparta	8302 Kysorville-Byersville Rd.	Dansville	NY	14437	townsupervisor@townofwestsparta.org
Jill Kalmar, Chair Planning Board	Town of West Sparta	8302 Kysorville-Byersville Rd.	Dansville	NY	14437	planningboard@townofwestsparta.org
Dave Palmer, Historian	Town of West Sparta	8302 Kysorville-Byersville Rd.	Dansville	NY	14437	
Michael Vasile, Supervisor	Town of Genesee Falls	PO Box 394	Portageville	NY	14536	
Peter Collin, Historian	Town of Genesee Falls	6656 Hamilton St.	Portageville	NY	14569	
Will Wadsworth, Supervisor	Town of Geneseo	4630 Millennium Dr.	Geneseo	NY	14454	will@geneseony.org
Robert Harris, Chair Planning Board	Town of Geneseo	4630 Millennium Dr.	Geneseo	NY	14454	rharris@geneseony.org
David Parish, Historian	Town of Geneseo	5 Crossett Rd.	Geneseo	NY	14454	
Dwight Knapp, Supervisor	Town of Ossian	10342 Hotaling Rd.	Dansville	NY	14437	knapp1@frontiernet.net
John Van Heusen, Chair Planning Board	Town of Ossian	9851 Rowe Rd.	Dansville	NY	14437	
Rhea Walker, Historian	Town of Ossian	10181 McNinch Rd.	Dansville	NY	14437	ossianhistorian@frontier.com
Cathy Saunders, President	Ossian Historical Society	4706 Ossian Hill Rd.	Dansville	NY	14437	info@townofossianny.us
James R. Brick, Supervisor	Town of Perry	PO Box 205	Perry	NY	14530	townofpe@rochester.rr.com
John Good, Chair Planning Board	Town of Perry	PO Box 205	Perry	NY	14530	
Norma Spencer, Historian	Town/Village of Perry	6496 Otka Rd.	Perry	NY	14530	
Ivan C Davis, Supervisor	Town of Portage	10042 S. River Road	Hunt	NY	14846	
Lorraine Rocker, Historian	Town of Portage	8611 Oakland Rd	Nunda	NY	14517	
Mark Schuster, Supervisor	Town of Sparta	6464 Liberty Pole Rd.	Dansville	NY	14437	doublemsch@msn.com
Michael Weber, Chair Planning Board	Town of Sparta	5699 Springwater Rd.	Scottsburg	NY	14545	
Mary Jo Marks, Historian	Town of Sparta	PO Box 378	Dansville	NY	14437	
Villages						
Frank Provo, Mayor	Village of Mount Morris	117 Main St.	Mount Morris	NY	14510	
Jack Morgan, Mayor	Village of Nunda	PO Box 537	Nunda	NY	14517	
Mark Mullikin, Code Enforcement Officer	Village of Nunda	PO Box 537	Nunda	NY	14517	
Rick Hauser, Mayor	Village of Perry	46 N. Main St.	Perry	NY	14530	
Matthew Jensen, Village Administrator	Village of Perry	46 N. Main St.	Perry	NY	14530	
Brian Parker, Chair Planning Board	Village of Perry	46 N. Main St.	Perry	NY	14530	
Counties						
Ian M. Coyle, Administrator	County of Livingston	6 Court St. Room 305	Geneseo	NY	14454	icoyle@co.livingston.ny.us
Angela Ellis, Director of Planning	County of Livingston	6 Court St., Room 305	Geneseo	NY	14454	aellis@co.livingston.ny.us
Amie Alden, Historian	County of Livingston	5 Murry Hill Dr.	Mount Morris	NY	14510	
Laura Lane, President	Chamber of Commerce & Tourism, Livingston County Area	4635 Millennium Dr	Geneseo	NY	14454	llane@livingstoncountychamber.com
Elissa Leuer, Director Tourism & Marketing	County of Livingston	4635 Millennium Dr	Geneseo	NY	14454	elissa@livingstoncountychamber.com

Amy Alden, Historian	Livingston County	5 Murry Hill Drive	Mt. Morris	NY	14510	historian@co.livingston.ny.us
Matt Cole, Chair	Livingston County Chamber of Commerce and Tourism	4635 Millennium Drive	Geneseo	NY	14454	
A.D. Berwanger, Chairman	County of Wyoming	143 N Main St.	Warsaw	NY	14569	ADBerwanger@wyomingco.net
William Daly, Director Planning Board	County of Wyoming	36 Center Street Suite C	Warsaw	NY	14569	wdaly@wyomingco.net
Cindy Amrhein	County of Wyoming	26 Linwood Ave.	Warsaw	NY	14569	
Norb Fuest, Chairman	Go Wyoming, Chamber and Tourism	36 Center Street Suite A	Warsaw	NY	14569	nfuest@rochester.rr.com
Scott A. Gardner, President & CEO	Go Wyoming, Chamber and Tourism	36 Center Street Suite A	Warsaw	NY	14569	sgardner@wycochamber.org
Eric J. Szucs, Director of Tourism & Marketing	Go Wyoming, Chamber and Tourism	36 Center Street Suite A	Warsaw	NY	14569	eric@gowyomingcountyny.com
Cindy Amrhein, Historian	Wyoming County	26 Linwood Avenue, Suite 1,	Warsaw	NY	14569	camrhein@wyomingco.net
State Agencies						
Abby Snyder, Regional Director	NYSDEC, Region 9 Office	182 E Union Street #3	Allegany	NY	14706	region9@dec.ny.gov
Christopher Hogan, Chief, Major Project Management Unit	NYSDEC	625 Broadway, 4th Floor	Albany	NY	12207	deppermitting@dec.ny.gov
Andrew Davis,Utility Supervisor	NYS Department of Public Service	3 Empire State Plaza	Albany	NY	12223	Andrew.davis@dps.ny.gov
John Bonafide, Director, Technical Preservation Bureau	NYSOPRHP	P.O. Box 189	Waterford	NY	12188	john.bonafide@oprhp.state.ny.us
Peter Humphrey, Genesee Region Chair	NYSOPRHP	1 Letchworth State Par	Castile	NY	14427	
June Richards-Munroe, Transportation Analyst, Planning	NYSDOT Region 6	107 Broadway	Hornell	NY	14843	June Richards-Munroe, Transportation Analyst, Planning
Kara Paulsen, Attorney	NYSDEC	625 Broadway, 4th Floor	Albany	NY	12207	kara.paulsen@dec.ny.gov
DMM List						
Grant Cushing, President	Brownfield Group, LLC	104 Gibson St.	Canandaigua	NY	14424	
Zack Dufresne, Director of Member Services	Alliance for Clean Energy New York, Inc.	119 Washington Ave. Suite 1G	Albany	NY	12210	zdufresne@aceny.org

Visually Sensitive Resources Outreach Response Matrix

Respondant	Visual Stakeholder	Date of Reciept	Request	Address of Resource	Action Taken
Parish, David W.	Historian, Town-Village Geneseo	Received via Mail 3/13/2019	Further definition of 'Visually Sensitive Impact' . Will the "major electric generating facilities be of impact? (any protective fencing) Are the generating facilities to be regarded as permanent and unchanging or will there be futher ones? Will there be some type of public hearing to review this report?		Provided information at public open house
Button, Jeremy J.; Kevin C. Bush	Real Estate Specialist II; Regional Director, Region 4	3/18/2019	EDR used a 5-mile radius to identify visually sensitive resources. Given the ridge and valley land form where the project site is located creates expansive views, the 5-mile radius to identify sensitive resources may not be adequate. EDR should determine all locations along State roads with views of the project site.		Provided additional viewshed analysis
Rooney, Shawn P.	Planning Assistant, Livingston County Planning Department	4/8/2019	The Livingston County Planning Department has identified additional "Visually Sensitive Resources," as depicted in the study. Listed below are the resources identified in our internal Natural Resource Inventory, and GIS shapefile database. Natural resource inventory:		
			North Country Scenic Trail (Part of Finger Lakes network)		Included in VSR analysis
			Genesee Valley Greenway		Included in VSR analysis
			Genesee River		Included in VSR analysis
			NYSDEC Wetlands		Added resources within the VSA
			liviwetR72		
			liviwetR70		
			liviwetR69		
			liviwetR68		
			liviwetR67		
			liviwetR66		
			liviwetR65		
			liviwetR64		
			liviwetR107		
			liviwetR106		
			Nearby Cemeteries		Added resources within the VSA not already listed as a separate resrouce
			Williamsburg Cemetery, Groveland		
			Glenwood Cemetery, Groveland		
			Pioneer Cemetery, Groveland		
			Gibsonvile Road Cemetery, Leicester		
			Alvord Road Cemetery, Mt. Morris		
			St. Helena Cemetery, Mt. Morris		
			Riverview Cemetery, Mt. Morris		
			Mt. Morris Cemetery, Mt. Morris		
			Chapel Street Cemetery, Mt. Morris		
			St. Patricks Cemetery, mt. Morris		
			Scipio Road Cemetery, Mt. Morris		
			Dutch St. Cemetery, Mt. Morris		
			Oakwood Cemetery, Mt. Morris		
			Seage's Cemetery, Nunda		
			Cooperville Cemetery, Nunda		
			Colonoel Williams Cemetery, West Sparta		
			Kysorville Cemetery, West Sparta		
			Oak Lawn Cemetery, West Sparta		
			Local Recreation Areas		Added resources within the VSA not already listed as a separate resrouce
			Nunda Kiwanis Park, Nunda		
			Patriots Park, Mt. Morris		
			Sonyea Golf Course, Groveland		

				Sonyea State Forest, Groveland/W. Sparta/Mt. Morris		
				Triple Creek Colf Course, Nunda		
				Tuscarora Park, Mt. Morris		
				Veterans Memorial park, Mt. Morris		
				Village Park, Nunda		
Rooney, Shawn P.	Planning Assistant, Livingston County Planning Department	4/8/2019	In the list of contacted parties we noted some others that may have bene left out, and may have interest in the project. They are listed below: Rich Parker, Regional director of Genesee State park Region (Richard.parker@parks.ny.gov), Roland Beck, Park Manager of Letchworth State Park (Roland.beck@parks.ny.gov), Kristina Schoepfer, Park Manager of Genesee Valley Greenway State Park (kristina.schoepfer@parks.ny.gov), Scott Scheeley, NYSDEC environmental permits (scott.sheeley@dec.ny.gov), Lorraine Rocker, portage historian committee chairperson			Added to Visual Stakeholder distribution list
Daniel Leuer	Chairman, Wyoming County Board of Supervisor's Planning Committee	Received via Mail 4/12/2019	No Additional request (found minimal negative visual impact)			
Andrew Davis	NYS Department of Public Service	4/11/2019	The explanation of visually sensitive resources in your correspondence does not include other criteria listed in the A10 regulations which include indetification and consideration of residences, businesses, and travelrs (highway users)			Included these resrouces in our viewpoint selection process
			DPS requests that future correspondence with visual stakeholders include clear refernece to the Article 10 Case Number 18-F-0440.			Reference will be included
			To avoid confusion, Livingston County Park sohuld influde the reference "Livingston County Al Lorenz Park."			updated in analysis
			Site-specific resources DPS recommends adding to the inventory:			Added resources within the VSA not already listed in separate category
				First Methodist Episocopal Church of Perry (NRHP-listed)	35 Covington Street, Perry	
				I-390 Genesee Expressway Mount Morris Rest Area (https://www.dot.ny.gov/regional-offices/statewide-rest-areas/mount-morris)	southbound traffic on Interstate 390, between Exits 6 and 7, in the Town of Groveland, Livingston County.	
				Keshequa Creek Falls, near Groveland in Sonyea State Forest; Fishing: (https://www.dec.ny.gov/lands/37457.html); 4.1 mile trail: (https://www.alltrails.com/trail/us/new-york/keshequa-creek-falls-3-falls)		
				Asbury Camp & Retreat Center	PO Box 218, Silver Lake, NY 14549	
				Silver Lake Drive-In Theater	7037 Chapman Ave, Perry, NY 14530	
				The Club at Silver Lake	3820 Club Rd, Perry, ny	
				Silver Lake Campground	6711 Lake Shore Drive, Castile, NY	
				Perry Public Beach	42 Walker Road, Perry, NY	
				Silver Lake Institute	46 Wesley Avenue, Silver Lake, NY	
				Perry Elementary & High School	33 Watkins Avenue, Perry, NY	

Environmental Design & Research,
Landscape Architecture, Engineering & Environmental Services, D.P.C.

217 Montgomery Street, Suite 1000, Syracuse, New York 13202
P. 315.471.0688 • F. 315.471.1061 • www.edrdpc.com

March 11, 2020

Municipal Planning, State Agency and Party List Representatives
Per Distribution List

RE: Morris Ridge Solar Energy Center (DPS Case 18-F-0440)
Recommended Viewpoints - Official Request for Information

Dear Municipal Planning, State Agency and Party List Representative:

As you may be aware, Morris Ridge Solar Energy Center, LLC (Morris Ridge Solar or Applicant), an indirect subsidiary of EDF Renewables, Inc., is proposing to construct the Morris Ridge Solar Energy Center (Project), a 177 megawatt (MW) alternating current (AC) photovoltaic (PV) solar energy generation facility, that may include up to 83 MW (200 megawatt hours [MWh]) of battery energy storage capacity located in the Town of Mount Morris, Livingston County, New York. The proposed Project is subject to the rules for siting a major electric generating facility under Article 10 of the New York State Public Service Law (PSL). In accordance with the Article 10 regulations, a Public Involvement Program (PIP) plan for this Project was filed on September 14, 2018 and a Preliminary Scoping Statement (PSS) was filed on March 29, 2019. Both documents are available on the Project website, www.morrisridgesolar.com. Please refer to the PIP and the PSS for additional details regarding the proposed Project.

The purpose of this letter is to request information related to the environmental review and permitting for the Facility. Specifically, this letter requests your recommendations for viewpoints that should be considered for the preparation of visual simulations of the proposed Project. Your contribution to the viewpoint selection is respectfully requested by April 10, 2020. The contact information for responses is listed at the conclusion of this letter.

The Applicant is currently undertaking studies to assist in evaluating the potential environmental impacts of the proposed Facility, which includes a Visual Impact Assessment (VIA), under Exhibit 24 of the Article 10 Application. A previous VIA-related visual outreach letter was circulated on March 6, 2019, which requested input regarding the identification of visually sensitive resources, sites and/or areas. This letter serves as a follow-up to the initial outreach letter and summarizes the VIA analyses conducted by the Applicant to date. In addition, this letter includes recommendations for viewpoints (or photo locations) from which photo-realistic visual simulations of the Facility will be prepared.

The selection of simulation viewpoints included the following considerations:

- The locations of visually sensitive resources, including those identified as a result of the initial outreach.
- Coverage of various Landscape Similarity Zones (LSZ) within the visual study area (VSA).
- The predicted visibility of the Facility based on viewshed analysis.
- The availability of open views towards the proposed Facility as determined by field review/site visits.

Each of these factors are briefly summarized below:

Visual Study Area and Visually Sensitive Resources

The VIA will identify visually sensitive resources within 5 miles of the proposed Facility site. This 5-mile radius visual study area (VSA) is depicted on Attachment A – Project Visibility and Recommended Viewpoint Locations, which can be found at the web address below.

Visually sensitive resources have been identified based on the requirements of Article 10, part 1001.24 (b)(4)(ii) as well as the Department of Environmental Conservation (DEC) in the Program Policy titled *Assessing and Mitigating Visual Impacts*[1]. In addition, comments on the PIP, PSS, and Visual Outreach letter have been reviewed with specific attention given to comments regarding visual impacts. Such comments include those from the New York State (NYS) Department of Public Service (DPS), NYS Department of Transportation (DOT), county representatives, a local historian and the public.

Landscape Similarity Zones

Seven discrete Landscape Similarity Zones (LSZs), based on the similarity of various landscape characteristics, (including topography, vegetation, water, and land use) were identified within the visual study area. These landscape Similarity Zones include: Rural Upland; Rural Valley; Forest; Village; Hamlet, Transportation Corridor, and Genesee Gorge all of which are depicted in Attachment D – Landscape Similarity Zones which can be found at the web address below. The LSZs will be further described in the VIA, which will be included as an Appendix to the Article 10 Application.

Viewshed Analysis

A preliminary viewshed analysis has been prepared for the Facility (see Attachment A – Project Visibility and Recommended Viewpoint Locations). The viewshed analysis illustrates potential visibility of the proposed panels based on consideration of the screening effect of topography, vegetation and structures. Consequently, the preliminary viewshed analysis provides an effective prediction of potential Facility visibility. The methods and results of the preliminary viewshed analysis will be more fully described in the VIA.

Field Review/Site Visits

EDR personnel conducted multiple site visits to the visual study area between January 2019 and February 2020. The site visits resulted in photographs from 124 representative viewpoints. These viewpoints document potential visibility of the Facility from adjacent visually sensitive resources, and representative LSZs within the visual study area. Field review was conducted during leaf-on and leaf-off conditions and conditions present during these site visits consisted of high visibility atmospheric conditions variable cloud cover. A photo from each viewpoint visited during the field review is included within Attachment C – Viewpoint Photolog, which can be found at the web address below.

Recommendations for Visual Simulations

EDR anticipates preparing approximately 16 visual simulations, which will depict proposed Facility components from representative distances and a range of visual settings within the Study Area. The final selection of viewpoints will be determined based on the proposed Facility layout to ensure that the recommended viewpoints/photographs appropriately address the visual effect of the Facility and its components. EDR has identified 16 candidate viewpoints

[1] The DEC Program Policy *Assessing and Mitigating Visual and Aesthetic Impacts* was issued in December, 2019 and can be reviewed here: https://www.dec.ny.gov/docs/permits_ej_operations_pdf/visualpolicydep002.pdf

(Attachment B – Recommended Viewpoint Table) that are representative of the range and types of views that will be selected for simulations. Based on EDR's experience, the recommended simulation viewpoints will be adequate for characterizing potential visibility of the Facility and its components and evaluating the Facility's potential visual effect.

Feedback Request

Morris Ridge Solar Energy Center, LLC is formally requesting the feedback of agencies and municipal planning representatives regarding the recommended viewpoints for visual simulations. Please review the recommended list of viewpoints and provide feedback regarding locations of concern that you would like to be considered for candidate viewpoint for visual simulations and evaluation.

To provide comments or feedback regarding the visual study and the recommended viewpoints, please contact Matthew Robinson by April 10, 2020.

- Via email at mrobinson@edrdpc.com
  Please type "Morris Ridge Solar - Visual Resources" in the subject line, or
- Via mail:
  Environmental Design & Research, Landscape Architecture, Engineering, & Environmental Services, D.P.C.
  Attn: Matthew Robinson
  217 Montgomery Street, Suite 1000
  Syracuse, New York 13202

We sincerely appreciate your assistance and input,

Matthew Robinson
Environmental Design & Research, Landscape Architecture, Engineering, & Environmental Services, D.P.C.
On behalf of Morris Ridge Solar Energy Center, LLC.

Materials Found Online at https://edrdpc.box.com/v/MorrisRidgeVisualOutreach:

- Attachment A: Project Visibility and Recommended Viewpoint Locations
- Attachment B: Recommended Viewpoints Table
- Attachment C: Viewpoint Photolog (including the recommended candidates for visual simulation)
- Attachment D: Landscape Similarity Zones
- Attachment E: Distribution List

Recommended Viewpoint Outreach Response Matrix

Respondant	Visual Stakeholder	Date of Reciept	Request	Address of Resource	Action Taken
Linda Little	Castile Town and Village Historian	3/17/2020	M. Robinson: I received your letter RE :DPS Case 18-F-0440 requesting recommendations for viewpoints to be considered for the preparation of visual simulations of the proposed project Morris Ridge Solar Project. However I was unable to view Attachments A - E at the online website indicated at the end of the letter.		Emailed requested attachements - no further response
David W. Parish	Geneseo Town and Village Historian	3/18/2019	Looking for further information on viewpoints - Saw presentation given		Was not able to get back in touch

Appendix G

Conceptual Planting Plan

Conceptual Mitigation Planting Plan

Morris Ridge Solar Energy Center
Town of Mount Morris, Livingston County, New York

Visual Impact Assessment | Appendix G: Conceptual Mitigation Planting Plan

MORRIS RIDGE
solar project

Mitigation Planting Plan Design Methodology

The Morris Ridge Solar Facility will include the installation of a variety of visual screening treatments at different areas throughout the Facility Site. A Conceptual Visual Mitigation Planting Plan was developed as part of Exhibit 24 of the Facility's Article 10 Application, with the goal of minimizing and mitigating the Facility's visual effects. The Conceptual Mitigation Planting Plan consists of a master plant list, locations of proposed installations, and detailed planting modules designed for specific circumstances. While the planting modules were not designed to completely screen views of the proposed Facility, the introduction of native tree and shrub mixes, interspersed with pollinator habitat along the roadsides adjacent to the Facility is intended to soften the visual effect of the Facility. The natural forms and colors of the planted vegetation will partially screen and divert viewer attention from the modern materials and inorganic forms of the PV panel arrays. The proposed plantings are included in the visual simulations provided in Appendix D as part of Exhibit 24. For a complete package of the insets and figures associated with the conceptual planting plan please see below.

The conceptual planting plan design was developed using the following approach:

- Review local zoning guidelines.
- Document existing visual character and vegetation within the Facility site and surrounding area.
- Maintain existing vegetation/hedgerows where feasible.
- **Install native, noninvasive species that provide ecological benefits.**
- Soften the appearance of the perimeters of the PV arrays/perimeter fences so that they blend into the existing landscape.
- Take design and material cues from the surrounding landscape.

Selection of Plant Materials

When designing a conceptual mitigation planting plan, it is important to propose a site-specific selection of plant materials that can provide the appropriate level of vegetative screening, match the vegetation and visual character of the existing landscape, provide ecological benefits including wildlife habitat, and prioritize the use of native vegetation species. EDR conducted field reconnaissance throughout the VSA to document existing visual conditions along roadsides, within hedgerows, and around residential properties. During these site visits, specific attention was paid to the native vegetation existing within the Visual Study Area (VSA). EDR staff with expertise in landscape architecture, cultural resources, and visual impact assessment, conducted a review of the Facility Site and adjacent areas and provided guidance regarding the production of the master plant list to be included in the conceptual mitigation planting plan.

The field visits provided documentation of the vegetation observed from various roadways and fields throughout the Facility Site. From this information it was apparent that the site consists of a mosaic of three general landscape types: open fields with active agriculture or early successional (i.e. old field) communities, mixed forest or hedgerows dominated by deciduous species, and formal or intentional landscapes around residential properties. The conceptual planting modules that were subsequently developed for the Facility intentionally mimic the species and character of the existing roadside vegetation, hedgerows and forest stands in an effort to visuallt integrate of the Facility into the surrounding landscape.

While on-site observations provided the basis for the plant material to be included in the master plant list (see below), species were also chosen based on county-level records of native plants as available through the USDA PLANTS Database (USDA, NRCS 2020) and the New York Flora Atlas (Weldy et al. 2020). In addition, the NYSDEC Prohibited and Regulated Invasive Species (NYSDEC, 2014) guidance was consulted to ensure that no invasive species were proposed. Other resources used in creating the master plant list include the Audubon Vermont Pollinator and Bird Friendly Solar Program (Audubon Vermont, 2019), which includes recommended native vegetation that can provide ecological benefits at solar facilities.

Examples of landscape character found around the Facility Site and photographed during the mitigation site review.

Selection of Plant Materials

Example of existing roadside vegetation (Dutch Street Road).

Example of existing roadside vegetation (Dutch Street Road).

Example of existing roadside vegetation and Hhedgerows (Route 39 East).

Example of existing roadside vegetation and forest stands (Pine Tavern Road).

Example of existing roadside vegetation (River Road).

Example of existing roadside vegetation (Ridge Road East).

Selection of Plant Materials

Example of forest stand vegetation within the Facility Site.

Example of forest stand vegetation within the Facility Site.

Example of forest stand vegetation within the Facility Site.

Example of hedgerow and forest stand vegetation within the Facility Site.

Example of hedgerow vegetation within the Facility Site.

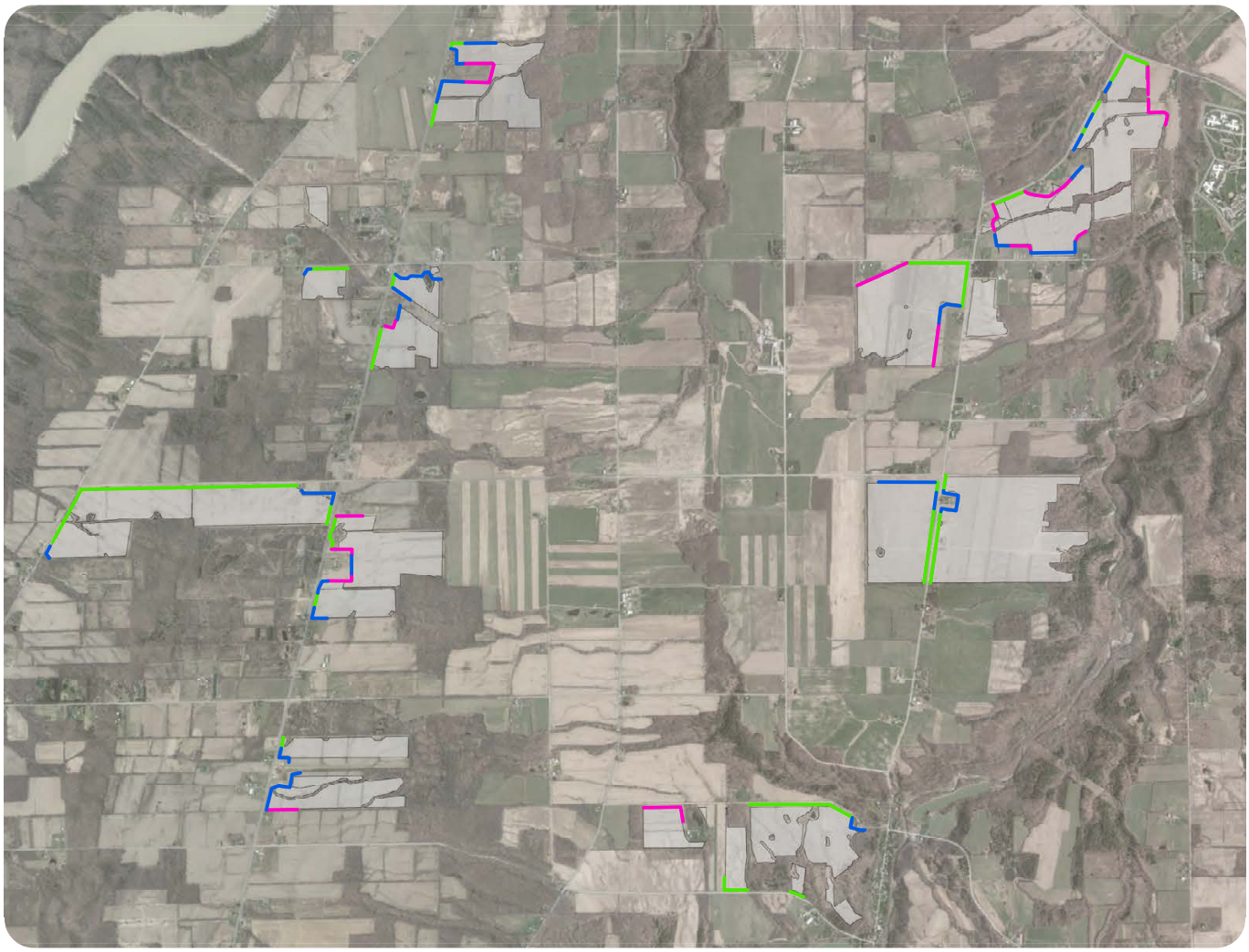
Example of hedgerow vegetation within the Facility Site.

Master Plant List

	Botanical Name	Common Name	Mature Size
Trees	*Acer rubrum*	Red Maple	30'-50' W x 40'-70' H
	Acer saccharum	Sugar Maple	30'-60' W x 40'-80' H
	Abies concolor	White Fir	20'-30' W x 40'-70' H
	Carpinus caroliniana ssp. virginiana	Musclewood	20'-35' W x 20'-35' H
	Carya glabra	Pignut Hickory	25'-40' W x 50'-80' H
	Carya ovata	Shagbark Hickory	50'-70' W x 70'-90' H
	Catalpa speciosa	Northern Catalpa	20'-50' W x 40'-70' H
	Juniperus virginiana	Eastern Red-Cedar	10'-25' W x 20'-30' H
	Ostrya virginiana	American Hop Hornbeam	20'-30' W x 25'-40' H
	Picea glauca	White Spruce	20'-25' W x 40'-60' H
	Picea pungens	Colorado Spruce	10'-20' W x 30'-60' H
	Pinus strobus	Eastern White Pine	20'-40' W x 50'-80' H
	Quercus alba	White Oak	50'-80' W x 50'-80' H
	Quercus bicolor	Swamp White Oak	50'-60' W x 50'-60' H
	Quercus coccinea	Scarlet Oak	40'-50' W x 50'-70' H
	Quercus macrocarpa	Bur Oak	60'-80' W x 60'-80' H
	Quercus rubra	Northern Red Oak	50'-75' W x 50'-75' H
	Quercus vellutina	Black Oak	50'-60' W x 50'-60' H
	Sassafras albidum	Sassafras	25'-40' W x 30'-60' H
Shrubs	*Amelanchier arborea*	Downy Serviceberry	15'-25' W x 15'-25' H
	Amelanchier stolonifera	Creeping Serviceberry	4'-5' W x 4'-6' H
	Aronia melanocarpa	Black Chokeberry	3'-6' W x 3'-6' H
	Cornus amomum	Silky Dogwood	6'-12' W x 6'-12' H
	Cornus racemosa	Gray Dogwood	8'-15' W x 8'-15' H
	Corylus americana	American Hazelnut	8'-12' W x 10'-16' H
	Hamamelis virginiana	Common Witch Hazel	15'-20' W x 15'-20' H
	Rhus aromatica	Fragrant Sumac	6'-10' W x 4'-6' H
	Rhus typhina	Staghorn Sumac	20'-30' W x 15'-25' H
	Rosa carolina	Pasture Rose	5'-10' W x 3'-6' H
	Sambucus nigra ssp. canadensis	Common Elderberry	8'-20' W x 8'-20' H
	Spiraea alba	Meadowsweet	3'-4' W x 3'-4' H

Proposed Locations of Mitigation Plantings

EDR landscape architects used field analysis, municipal regulations, and outreach responses from local and state representatives to delineate proposed planting areas around Facility components. These areas include open fields adjacent to roadsides or neighboring residences, thin/partial hedgerows, and areas abutting neighboring residences, or other visually sensitive resrouces (VSRs) throughout the Facility Site.
The goal in selecting locations for plantings was to prioritize locations where otherwise open or uninterrupted views of the PV arrays had the potential to result in substantial visual effects. Priority locations identified within the Facility Site are shown below with an indication of the planting types, or modules, proposed. A fourth module, developed for use in archaeologically sensitive locations, is intentionally excluded from this map.



Conceptual Planting Modules

The Applicant developed four individual planting modules, each designed to apply to a specific circumstance within the Facility Site or accomplish a different set of goals. The four modules include:

1. Roadside Enhancement;
2. Open Field / Supplemental Hedgerow,
3. Adjacent VSR / Residence; and
4. Archaeologically Sensitive / Pollinator Habitat.

Descriptions of these modules are provided below:

Module 1 | Roadside Enhancement

Module 1 is emphasized along open fields where existing roadside screening is absent. It is desinged to integrate the Facility Site into the landscape by mimicking the surrounding roadside vegetation, which includes active agricultural and successional fields, hedgerows, and woodlots as noted during the field review. Consequently, Module 1 uses a selection of large to medium-sized shrubs, small to medium trees, evergreen material, and herbaceous perennials that will remain relatively low at mature height and provide a variety of color throughout the year. This module can be adapted to different roadside conditions, for example by adding evergreens in locations where they are more common in the existing landscape.

The Module 1 planting plan is designed to mimic the spacing and pattern of existing roadside and hedgerow vegetation as perceived by viewers who will experience the landscape from a moving vehicle while traveling along the adjacent roadway. Large spacing distances are thus proposed for the plant material both parallel to the roadway (i.e., lateral to the direction of travel) and perpendicular to the roadway (i.e., from the road toward the PV panel arrays). Plants will be grouped into naturalistic clusters, with lateral spacing of approximately 30-50 feet between clusters combined with 25-40 feet of spacing in the perpendicular direction. While such spacing would be ineffective for completely screening views from a residence or other fixed vantage point, this design works well when viewed from a moving vehicle. To accomplish the goals of Module 1, planting areas are located outside the road right-of-way and placed approximately 15 feet from the perimeter fence surrounding the solar array.

The areas between clusters of trees and shrubs within planting Module 1 will be planted with a pollinator-friendly seed mix. The seed mix under consideration is the Xerces Society Northeastern Pollinator Mix (XERC00103) from Ernst Seed. This mix consists of a blend of 23 upland meadow species such as little bluestem (*Schizachyrium scoparium*), partridge pea (*Chamaecrista fasciculata*), lanceleaf coreopsis (*Coreopsis lanceolata*), purple coneflower (*Echinacea purpurea*), and others.

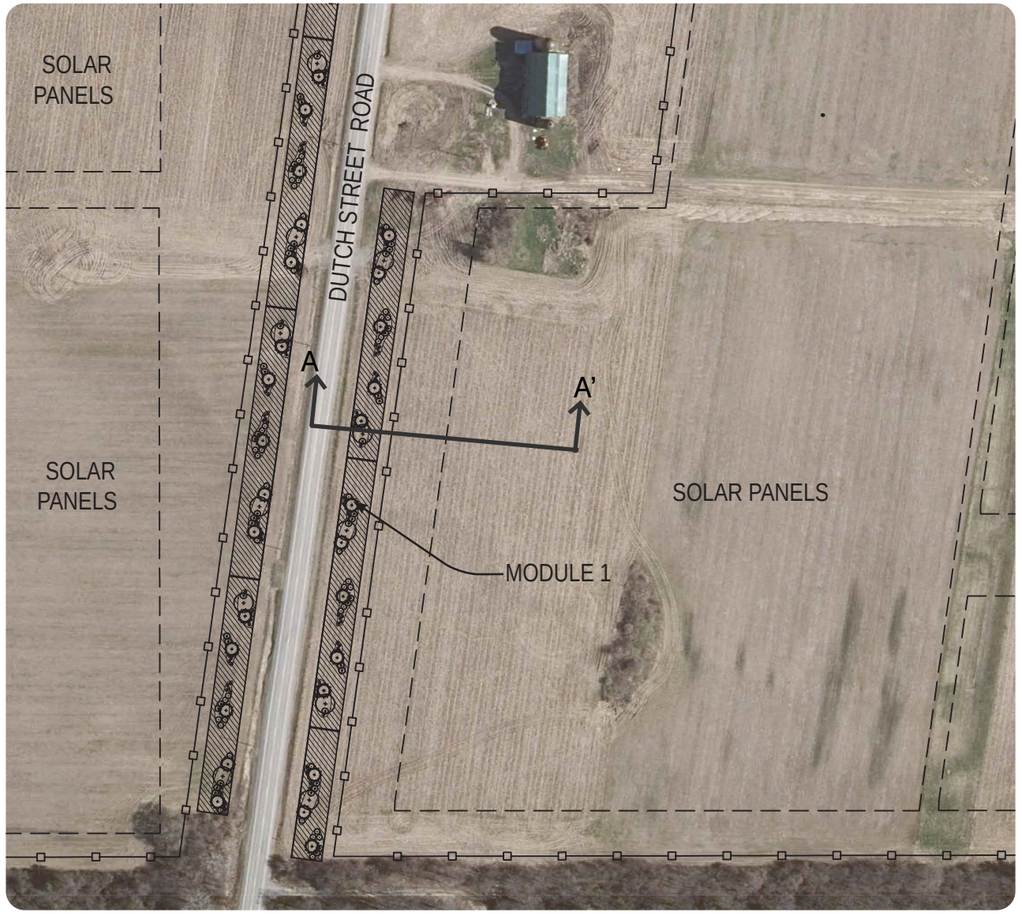
Module 1 is proposed in 20 locations across the Facility Site.

Planting Module 1 - Roadside Enhancement

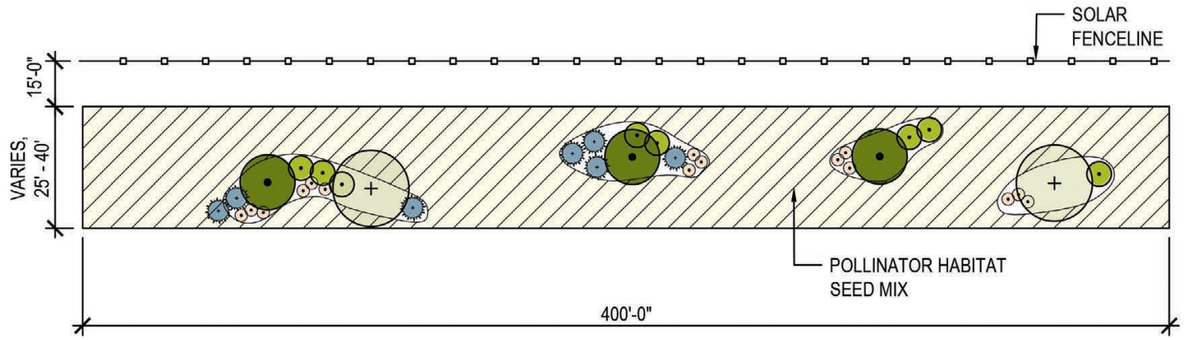
Existing Conditions: Agricultural field, no existing hedgerow or vegetation

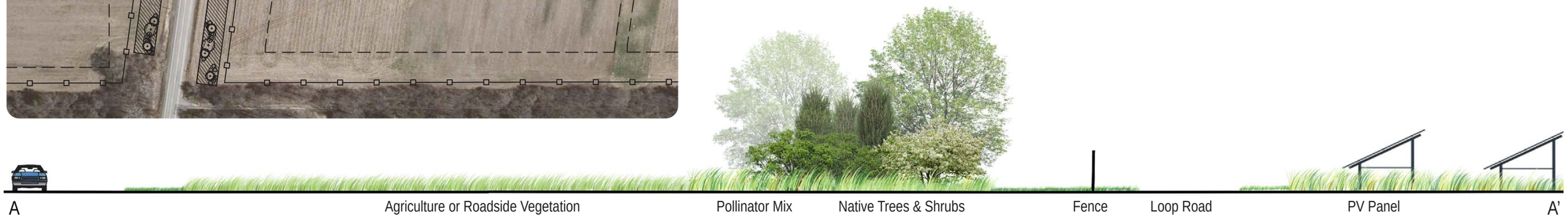
View: Open views towards agricultural field with array panels

Treatment: Create buffer to soften view of panels within landscape, maintain open grassland bird habitat, and create additional pollinator habitat



PLANT LIST						
KEY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	SPACING	MATURE SIZE
	Aronia melanocarpa	Black Chokeberry	24" ht	#5 cont	4' on center	3-6' H x 3-6' W
	Cornus racemosa	Grey Dogwood	24" ht	B&B	5' on center	8-15' H x 8-15' W
	Juniperus virginiana	Easter Red-Cedar	4' ht	B&B	As shown	20-30' H x 10-25' W
	Rhus typhina	Staghorn Sumac	5' ht	#5 cont	As shown	10-20' H x 20-30' W
	Sassafras albidum	Sassafras	36" ht	B&B	As shown	30-60' H x 25-40' W
	Pollinator Seed Mix		lbs per acre			Average 36" H





Conceptual Planting Modules Continued

Module 2 | Open Field / Supplemental Hedgerow

Throughout the visual study area, narrow hedgerows commonly occur between agricultural fields or along roadsides. These hedgerows contribute to the overall character of the visual study area by reinforcing the mosaic pattern of open fields and trees, enclosing portions of the road system. Module 2 is designed to be used where existing hedgerows are present but do not provide the amount of screening desired at that location. The module is intended to be flexible, so that it can respond to the particular spacing and character of each existing hedgerow. The selection and spacing of plant materials is generally similar to Module 1, but in selected locations Module 2 uses a tighter spacing and larger plant material. This additional height of screening is proposed because shadows are not a concern where existing hedgerows are to remain, and the larger material will provide more substantial screening of the Facility.

During the site visits, hedgerows adjacent to the proposed arrays were reviewed to understand their current stage of growth and screening capabilities. This included identifying areas where the hedgerows break and allow for unimpeded views into the adjacent fields. Module 2 can be used to fill such breaks with plantings that mimic the material and scale of the surrounding hedgerow vegetation within an area appropriate to screen views from adjacent roadside public vantage points. This allows the proposed planting plan to blend into the existing hedgerow and create more continuous visual screening along the perimter of the Facility Site.

In addition to the proposed trees and shrubs, Module 2 includes the use of pollinator-friendly herbaceous seed mix similarly to Module 1. In this case the seed mix will be primarily used in the portion of the planting area closer to the roadway.

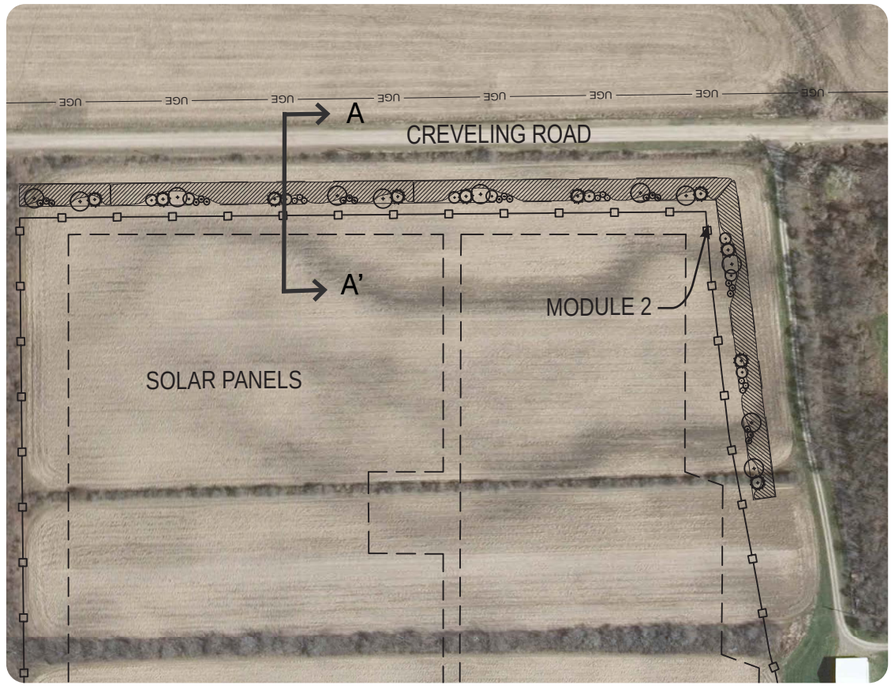
Module 2 is proposed in 14 locations across the Facility Site.

Planting Module 2 - Open Field / Supplemental Hedgerow

Existing Conditions: Roadways with varying setbacks adjacent to proposed array field, intermittent existing hedgerow

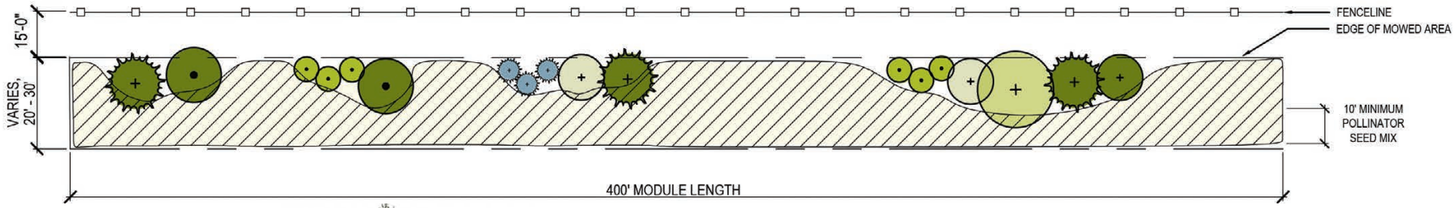
View: Intermittent views towards agricultural field with array panels

Treatment: Fill gaps in trees to soften view of panels within landscape



PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	SPACING	MATURE SIZE
	Amelanchier arborea	Downy Serviceberry	6' ht	B&B	As shown	15-25' H x 15-25' W
	Cornus racemosa	Grey Dogwood	4' ht	B&B	5' on center	8-15' H x 8-15' W
	Hamamelis virginiana	Common Witch-Hazel	3' ht	B&B	As shown	15-20' H x 8-25' W
	Juniperus virginiana	Eastern Red-Cedar	5' ht	B&B	As shown	20-30' H x 10-25' W
	Pinus strobus	White Pine	6' ht	B&B	As shown	50-80' H x 20-35' W
	Quercus macrocarpa	Bur Oak	2" cal.	B&B	As shown	60-80' H x 60-80' W
	Rhus typhina	Staghorn Sumac	6' ht	B&B	As shown	10-20' H x 20-30' W
	Pollinator Seed Mix		lbs per acre			Average 36" H



Conceptual Planting Modules Continued

Module 3 | Adjacent Resource / Residence

Module 3 consists of a thicker planting that will result in more complete screening of view toward the Facility Site from adjacent homes or VSRs. Plant species used are similar to Module 2, but a greater emphasis is placed on evergreen species that will provide denser year-round screening. Module 3 seeks to provide this screening effect while still blending into the existing landscape as much as possible. The plant arrangements are therefore intended to be naturalistic, and species chosen are in keeping with the local vegetation. A pollinator-friendly seed mix is again used to increase the habitat value of the proposed plantings.

Module 3 is proposed in 25 locations across the Facility Site.

Module 4 | Archaeologically Sensitive / Pollinator Habitat

Module 4 is intended to be used in locations where ground disturbance will be avoided in order to protect archaeological resources that may be present. The planting plan in these areas consists only of a specialized seed mix of pollinator-friendly species that includes native wildflowers and grasses. No shrubs or trees are included as part of Module 4 in order to avoid the ground disturbance that would be necessary to plant them. To install Module 4 the earth will be tilled to a depth of 6", which is less ground disturbance than caused by the existing agricultural use in most of these areas. Because of the sensitive nature of the locations where Module 4 is proposed, they are not shown on the maps included in this conceptual planting plan. Please refer to the appropriate archaeological documentation for further information.

Planting Module 3 - Adjacent VSR / Residence

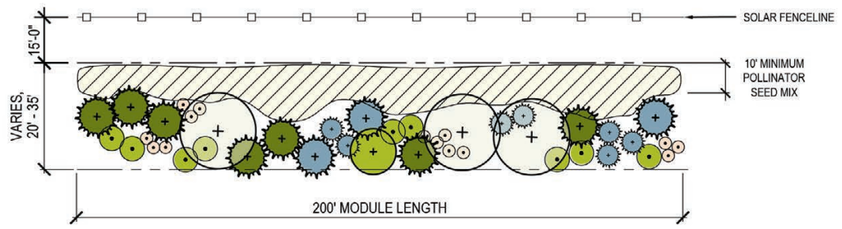
Existing Conditions: Residence or building adjacent to proposed array field, no existing hedgerow or forest

View: Open views towards agricultural field with array panels

Treatment: Create buffer to screen view of panels within landscape

PLANT LIST						
KEY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE	SPACING	MATURE SIZE
	Acer rubrum	Red Maple	2" cal.	B&B	As Shown	40-70' H x 30-50' W
	Aronia melanocarpa	Black Chokeberry	36" ht	#3 cont	4' on center	3-6' H x 3-6' W
	Cornus racemosa	Gray Dogwood	4' ht	B&B	5' on center	8-15' H x 8-15' W
	Juniperus virginiana	Eastern Red-Cedar	8' ht	B&B	As Shown	20-30' H x 10-25' W
	*Ostrya virginiana**	Hop Hornbeam	1 3/4" cal.	B&B	As Shown	25-40' H x 25-35' W
	Picea glauca	White Spruce	6' ht.	B&B	As Shown	40-60' H x 20-25' W
	Pinus strobus	Eastern White Pine	6' ht.	B&B	As Shown	50-80' H x 20-35' W
	*Sassafras albidum**	Sassafras	36" ht	#5 cont	As Shown	30-60' H x 25-40' W
	Pollinator Seed Mix		7 lbs per acre			Average 36" H

* Even mixture throughout mitigation area



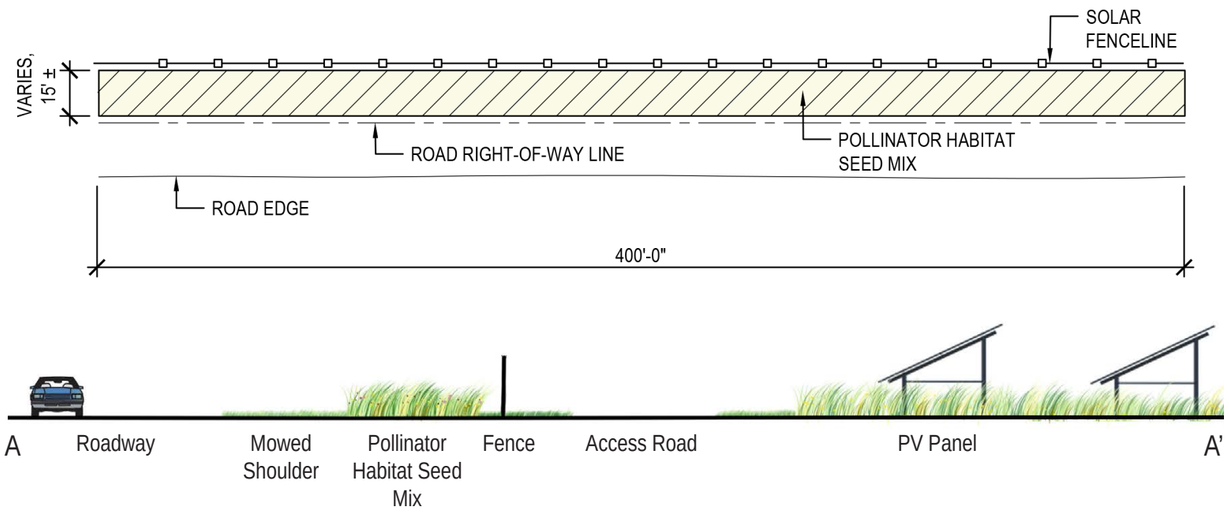
Module 4 - Archaeologically Sensitive / Pollinator Habitat

Existing Conditions: Agricultural field, Facility related no ground disturbance allowed, no existing hedgerow or forest vegetation

View: Open views towards agricultural field with solar panel arrays

Treatment: Create buffer of perennial prairie plants to soften view of solar panels within landscape and create additional pollinator habitat

POLLINATOR HABITAT SEED MIX EXAMPLE PLANT LIST			
BOTANICAL NAME	COMMON NAME	BLOOM TIME	MATURE HEIGHT
Asclepias tuberosa	Butterflyweed	Summer	1-2 ft
Asclepias syriaca	Common Milkweed	Summer	2-3 ft
Chamaecrista fasciculata	Partridge Pea	Summer	1-3 ft
Coreopsis lanceolata	Lanceleaf Coreopsis	Summer	1-2 ft
Echinacea purpurea	Purple Coneflower	Summer	2-3 ft
Eupatorium perfoliatum	Boneset	Summer	3-4 ft
Eutrochium maculatum	Spotted Joe-Pye Weed	Summer	4-6 ft
Monarda fistulosa	Wild Bergamot	Summer	2-4 ft
Pycnanthemum tenuifolium	Narrowleaf Mountain Mint	Summer	2-3 ft
Schizachyrium scoparium	Little Bluestem	Autumn (grass)	1-3 ft
Solidago nemoralis	Gray Goldenrod	Late Summer	1-2 ft
Solidago juncea	Early Goldenrod	Summer	2-4 ft
Symphyotrichum novae-angliae	New England Aster	Autumn	3-6 ft
Zizia aurea	Golden Alexanders	Spring	2-3 ft



North

MORRIS RIDGE solar project

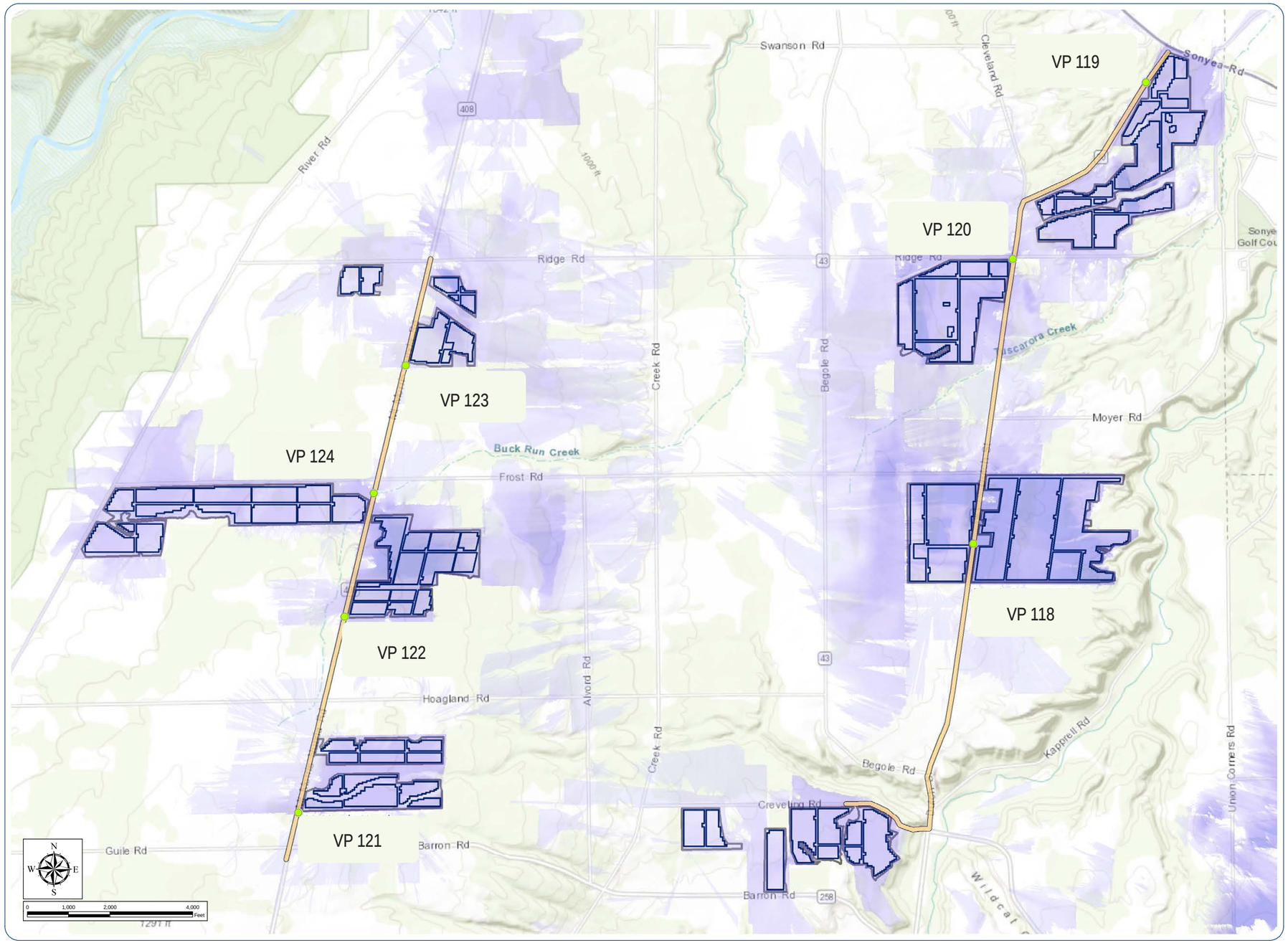
Consistency with Local Solar Ordinances

As stated in the goals outlined above, the conceptual planting plan is intended to address the local solar ordinance and guidelines and provide an appropriate solution through site-specific vegetative screening. The planting plan has been designed to use native trees, shrubs, and herbaceous plants that mimic the character of existing vegetation within the Facility Site and surrounding parcels. The intent of the planting plan is to both screen the Facility and minimize the potential visual effect of the Facility by visually integrating the project into the surrounding landscape. However, there will be portions of the Facility that will be visible. There are no design configurations that would allow the Facility to be fully screened from view without resulting in additional environmental impacts. The use of berms would require large areas of soil disturbance, which is contrary to the design objective of the Facility to minimize soil disturbance to the greatest extent practicable and could interfere with current or future agricultural use of the Facility Site. The use of fences or uniform plantings of evergreens would appear out of place in the Facility's rural agricultural setting. It is the Applicant's position that the conceptual planting plan as proposed meets or exceeds the understood design intent of the guidelines set forth by the Town of Mount Morris.

Town of Mount Morris| The Town of Mount Morris solar farm code requires the installation of a vegetated buffer to provide year-round screening of the system along public rights of way and, if a solar array or appurtenant structures including but not limited to equipment shelters, storage facilities, transformers and substations, will be in the field of view from a residence on an adjoining property, along such filed of view. Installed vegetation must be at least two (2) feet in height at the time of planting.

Appendix H

Visual Simulation Series



Morris Ridge Solar Energy Center
Town of Mount Morris, Livingston County, New York
Visual Impact Assessment | **Appendix H - Video Progression:** Viewpoint Location Map

MORRIS RIDGE solar project

Northbound Viewpoint 118 Visual Simulation: Mitigation Year 5-7 (Leaf-on)

Northbound Viewpoint 119 Visual Simulation: Mitigation Year 5-7 (Leaf-on)

Southbound Viewpoint 120 Visual Simulation: Mitigation Year 5-7 (Leaf-on)

Morris Ridge Solar Energy Center
Town of Mount Morris, Livingston County, New York
Visual Impact Assessment | Appendix H - Video Progression: County Route 30 (Dutch Street Road)

MORRIS RIDGE solar project

Northbound Viewpoint 121 Visual Simulation: Mitigation Year 5-7 (Leaf-on)

Northbound Viewpoint 122 Visual Simulation: Mitigation Year 5-7 (Leaf-on)

Northbound Viewpoint 123 Visual Simulation: Mitigation Year 5-7 (Leaf-on)

Southbound Viewpoint 124 Visual Simulation: Mitigation Year 5-7 (Leaf-on)

Morris Ridge Solar Energy Center
Town of Mount Morris, Livingston County, New York
Visual Impact Assessment | Appendix H - Video Progression: State Route 408 (Mount Morris Nunda Road)

MORRIS RIDGE solar project